

เอกสารอ้างอิง

- กฤษณพันธ์ สุพรรณโรจน์. คอมพิวเตอร์ในระแวกวงธุรกิจ. พิมพ์ครั้งที่ 2. กรุงเทพมหานคร: โรงพิมพ์แพรวพิทยา อินเทอร์เน็ต น.จ.ก., 2520.
- ✓ คอมพิวเตอร์สมาคมแห่งประเทศไทย. เอกสารประกอบการสัมมนาทางวิชาการงานคอมพิวเตอร์ครั้งที่ 9. กรุงเทพมหานคร: โรงพิมพ์มหาวิทยาลัยรามคำแหง, 2521.
- ✓ จิตติ คิงส์กิติย์. กฎหมายแพ่งและพาณิชย์ว่าด้วยบัญชีเงินฝาก, ตัวเงิน. กรุงเทพมหานคร: โรงพิมพ์มหาวิทยาลัยธรรมศาสตร์, 2518.
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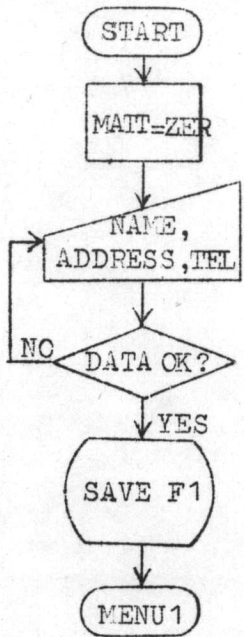


## ภาคผนวก

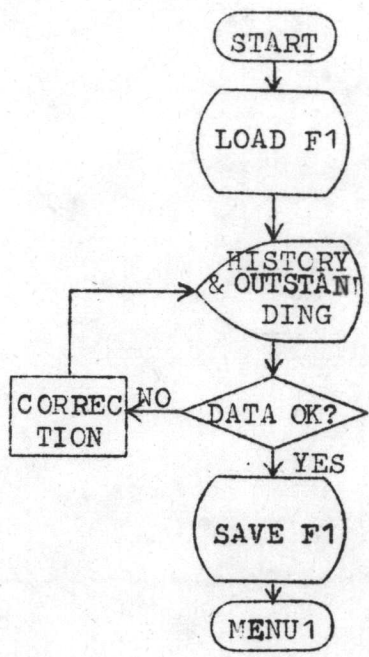
ภาคผนวกในที่นี้ได้แบ่งออกเป็น 2 ตอนดังนี้คือ

- ภาคผนวก ก. ไดแก Flowchart ของโปรแกรมต่าง ๆ ทั้งหมด  
ภาคผนวก ข. ไดแก Listing ของโปรแกรมต่าง ๆ ทั้งหมด

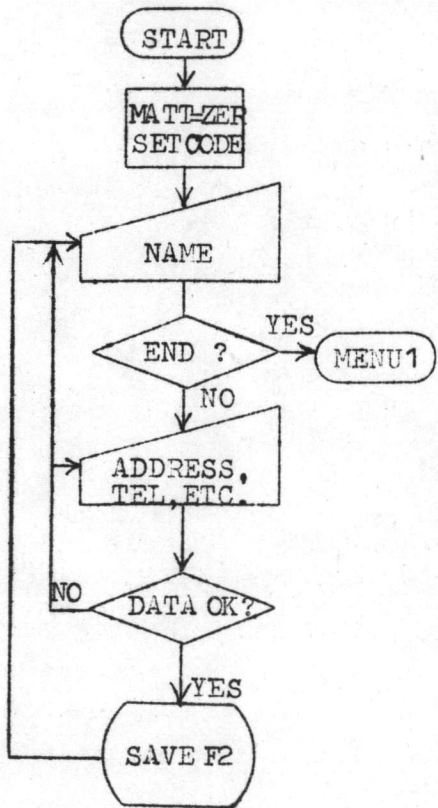
โปรแกรม CREATE10



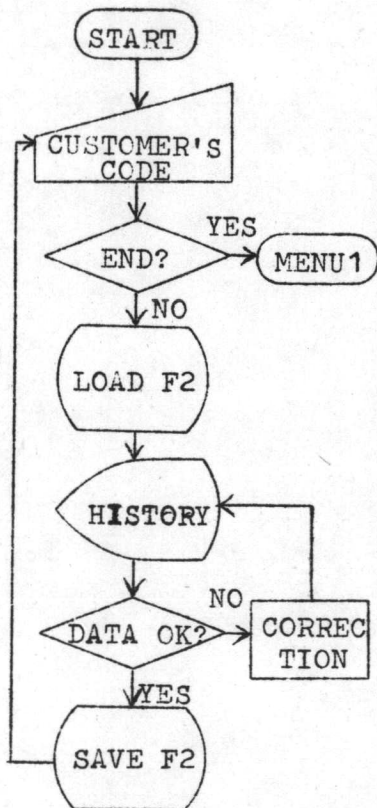
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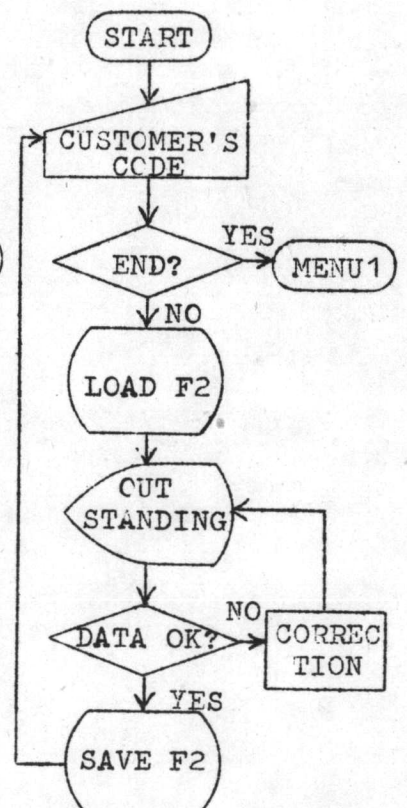
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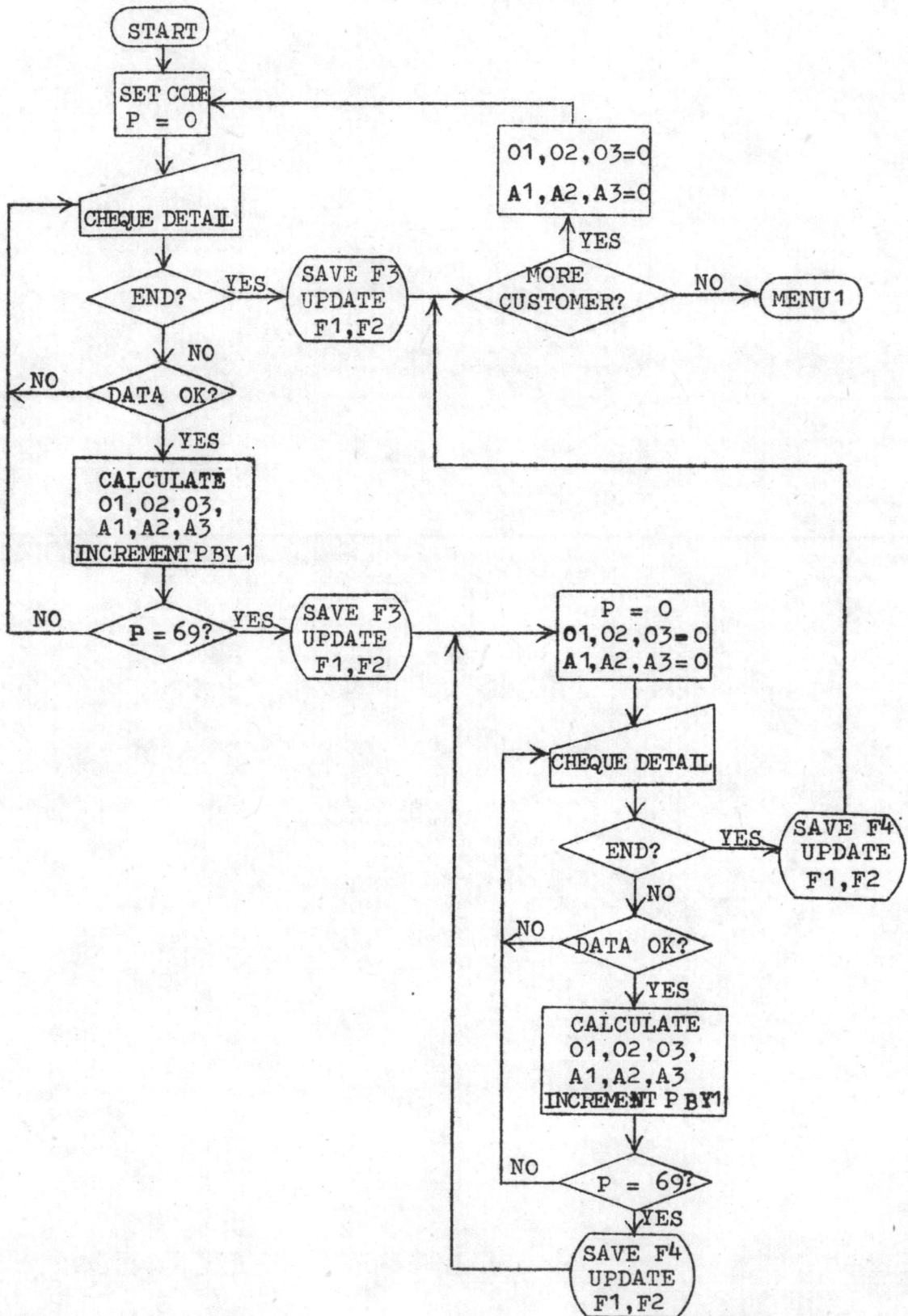
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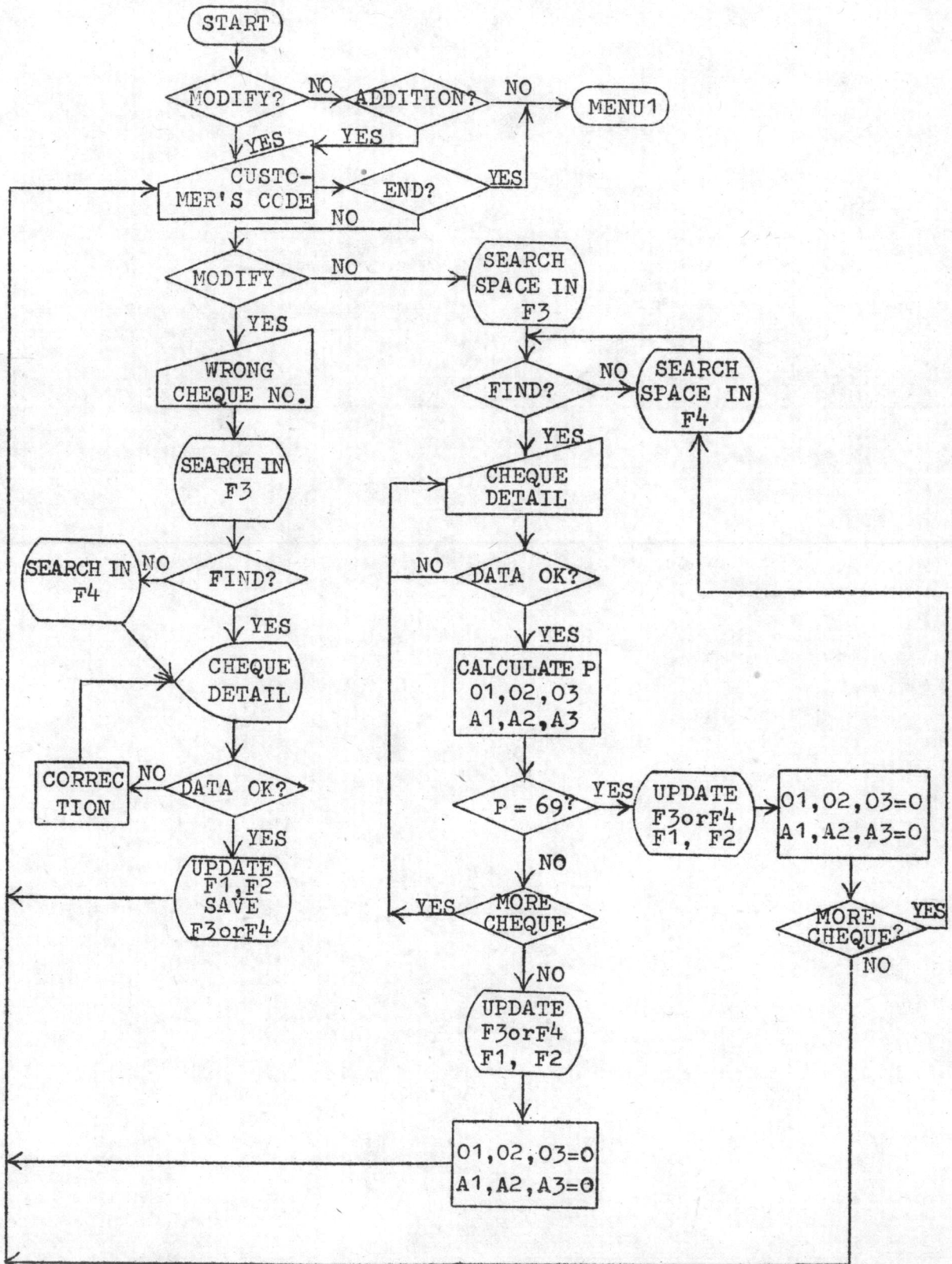


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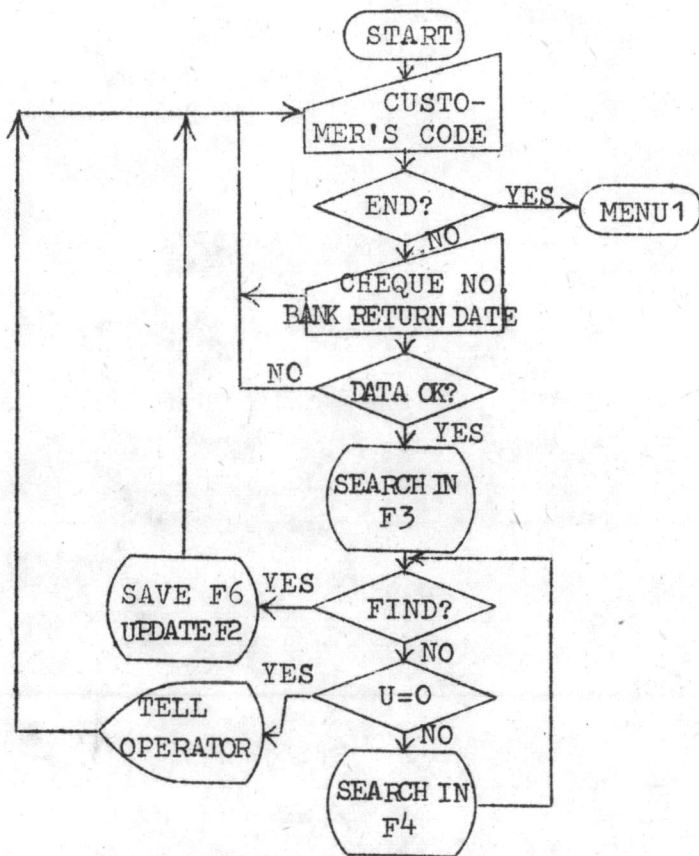


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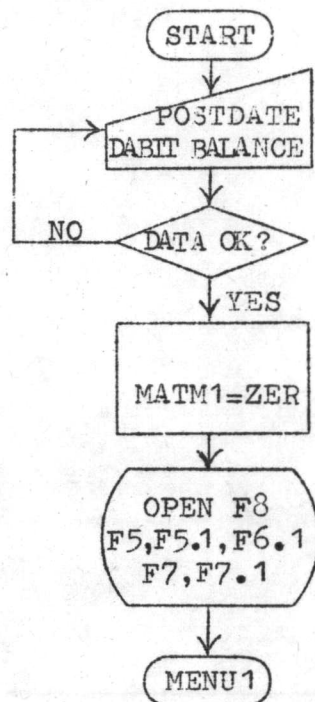




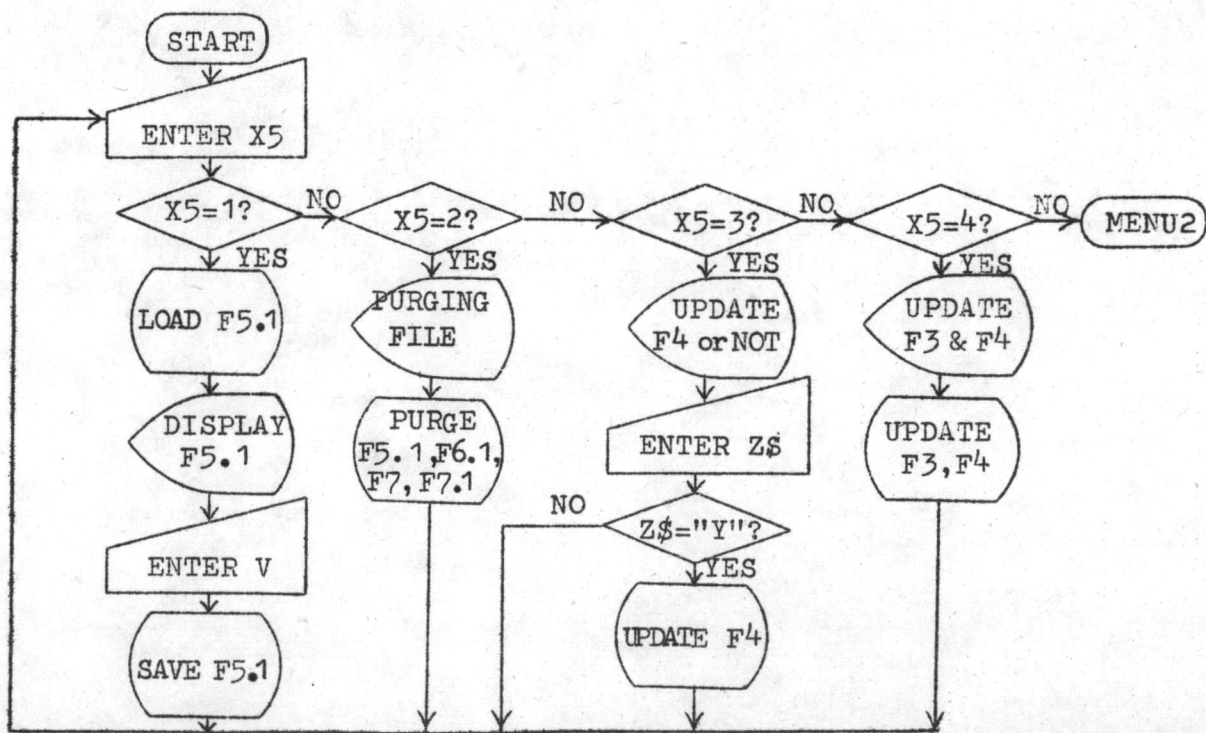
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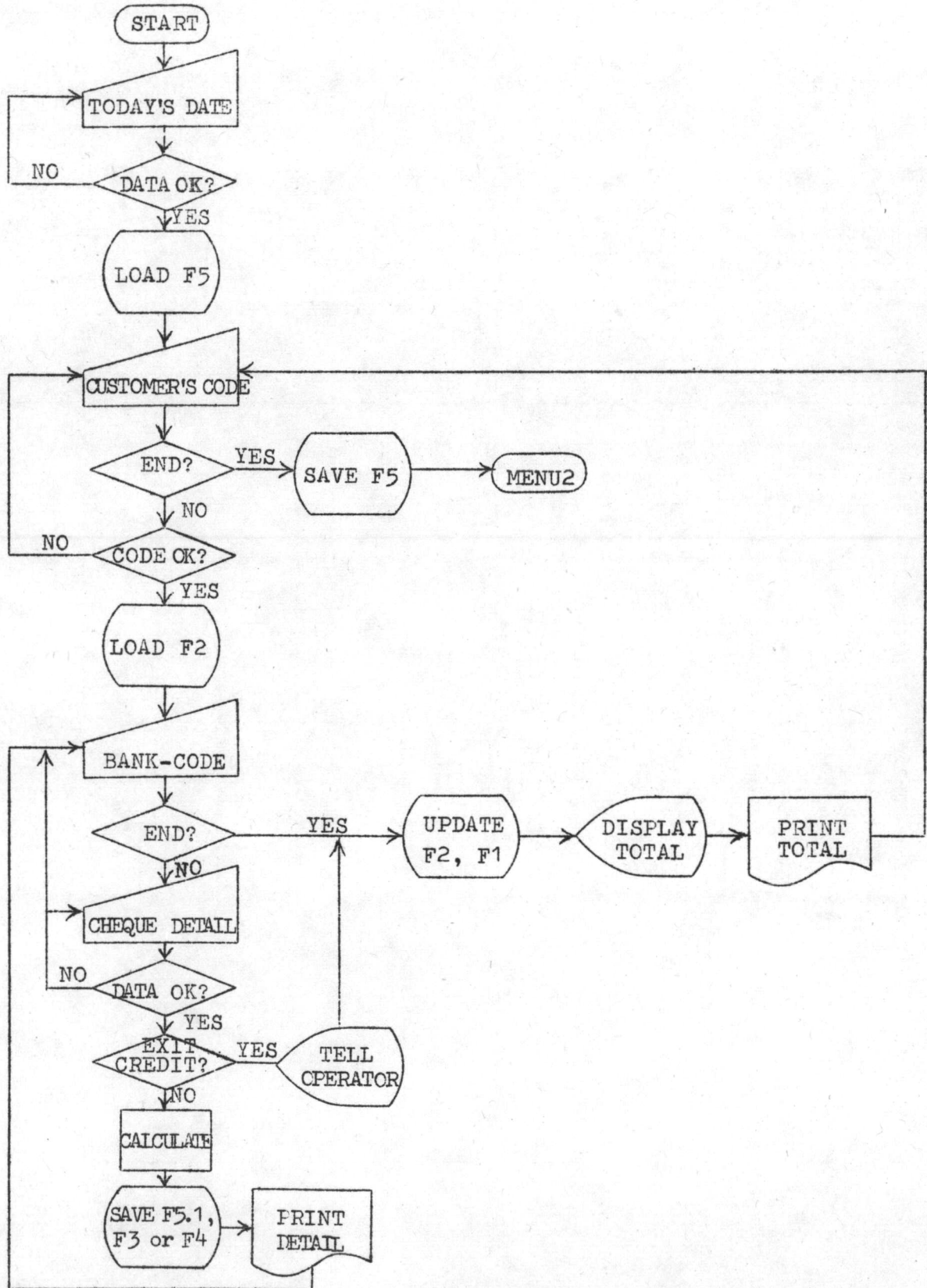
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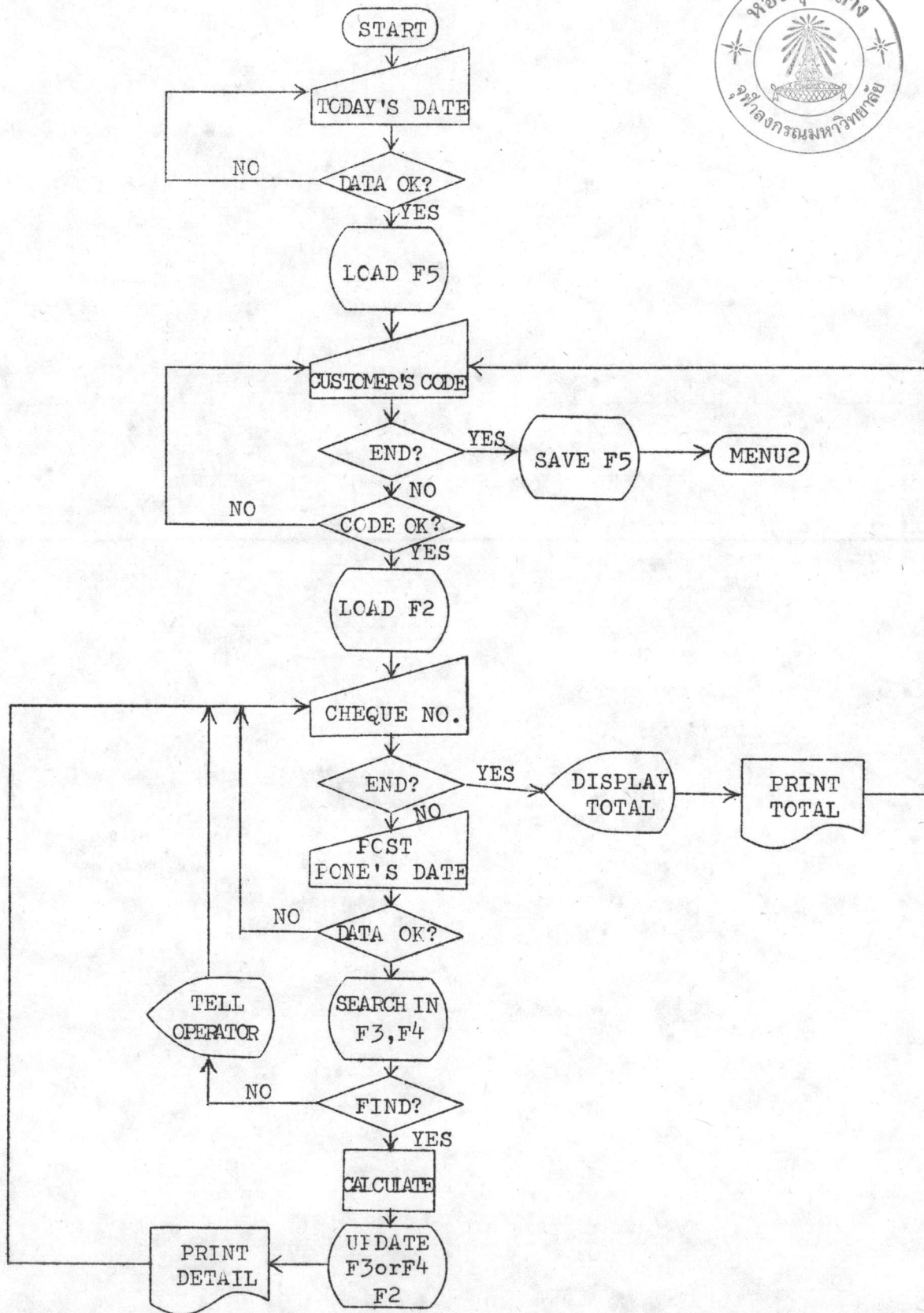
โปรแกรม DAILYSET



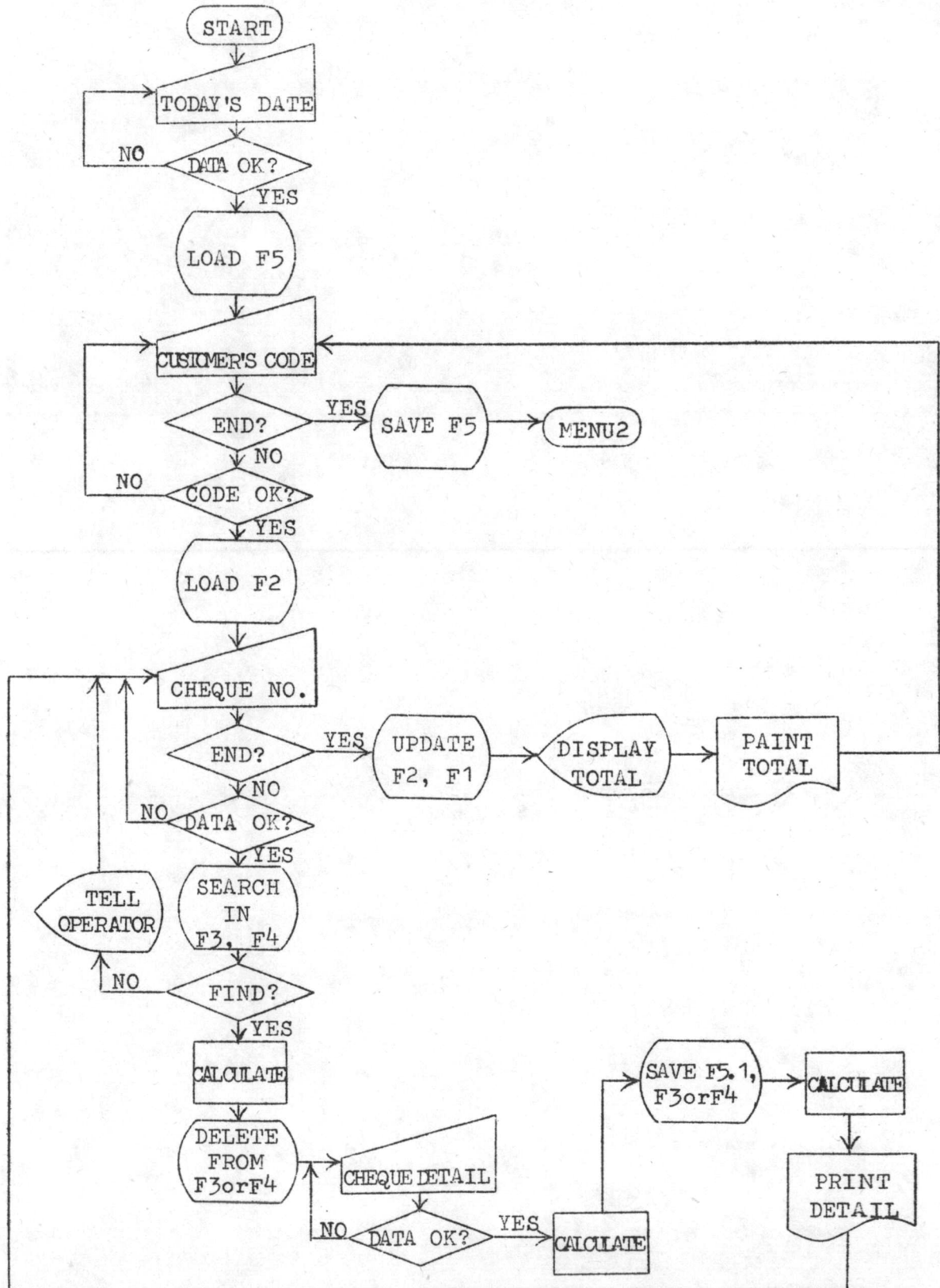
โปรแกรม INVOICE1



# โปรแกรม INVOICE2

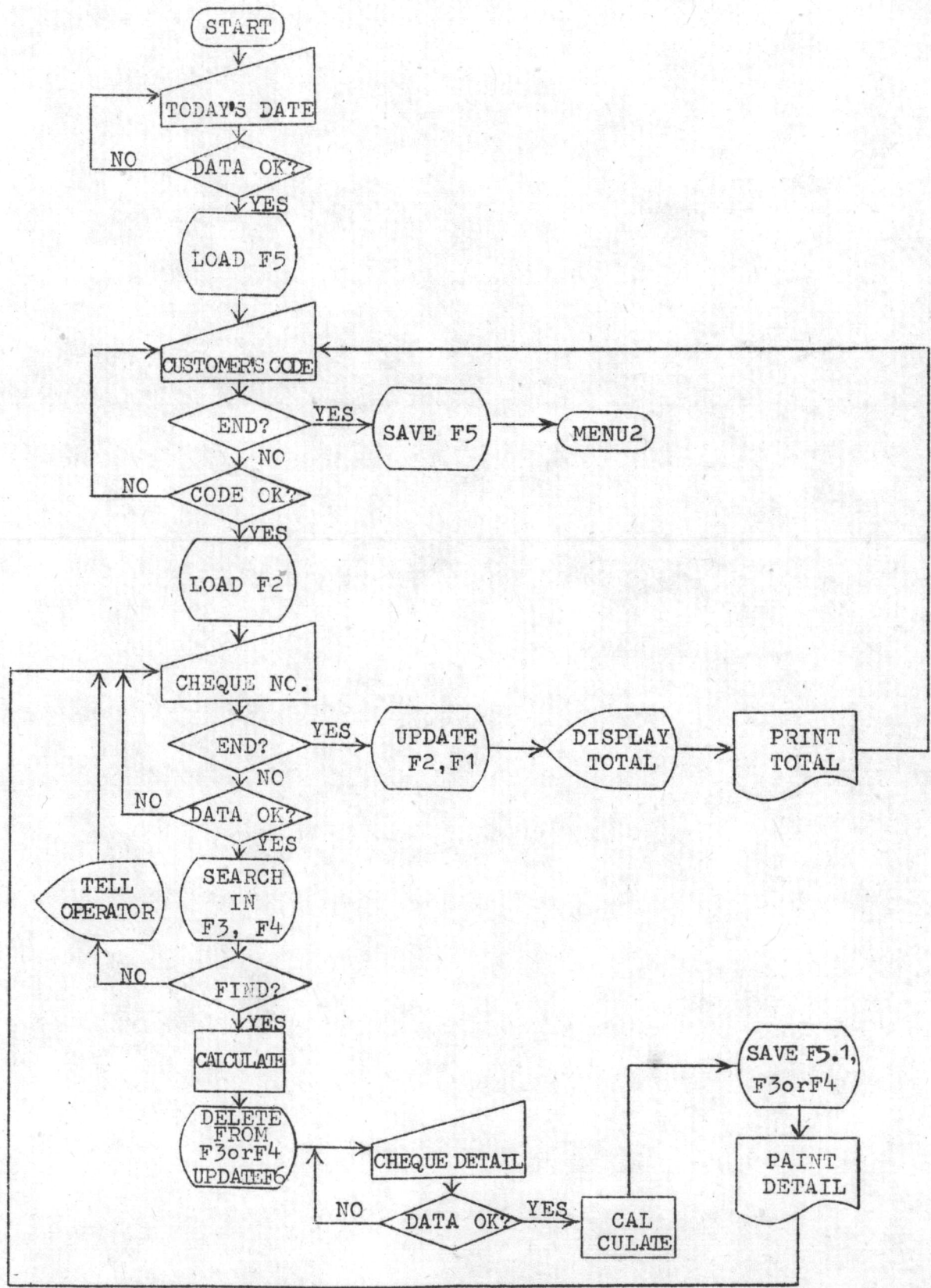


โปรแกรม INVOICE3

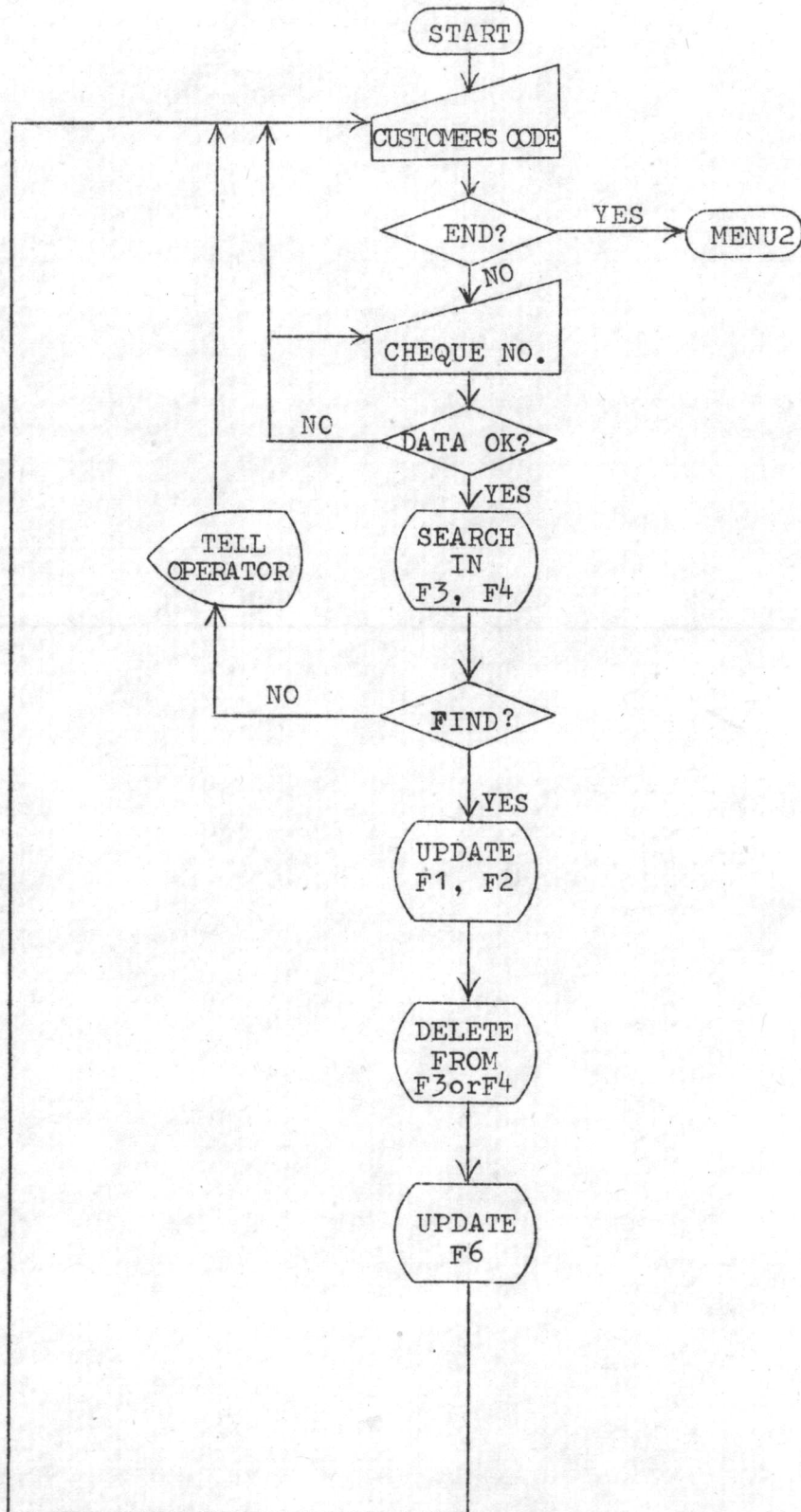




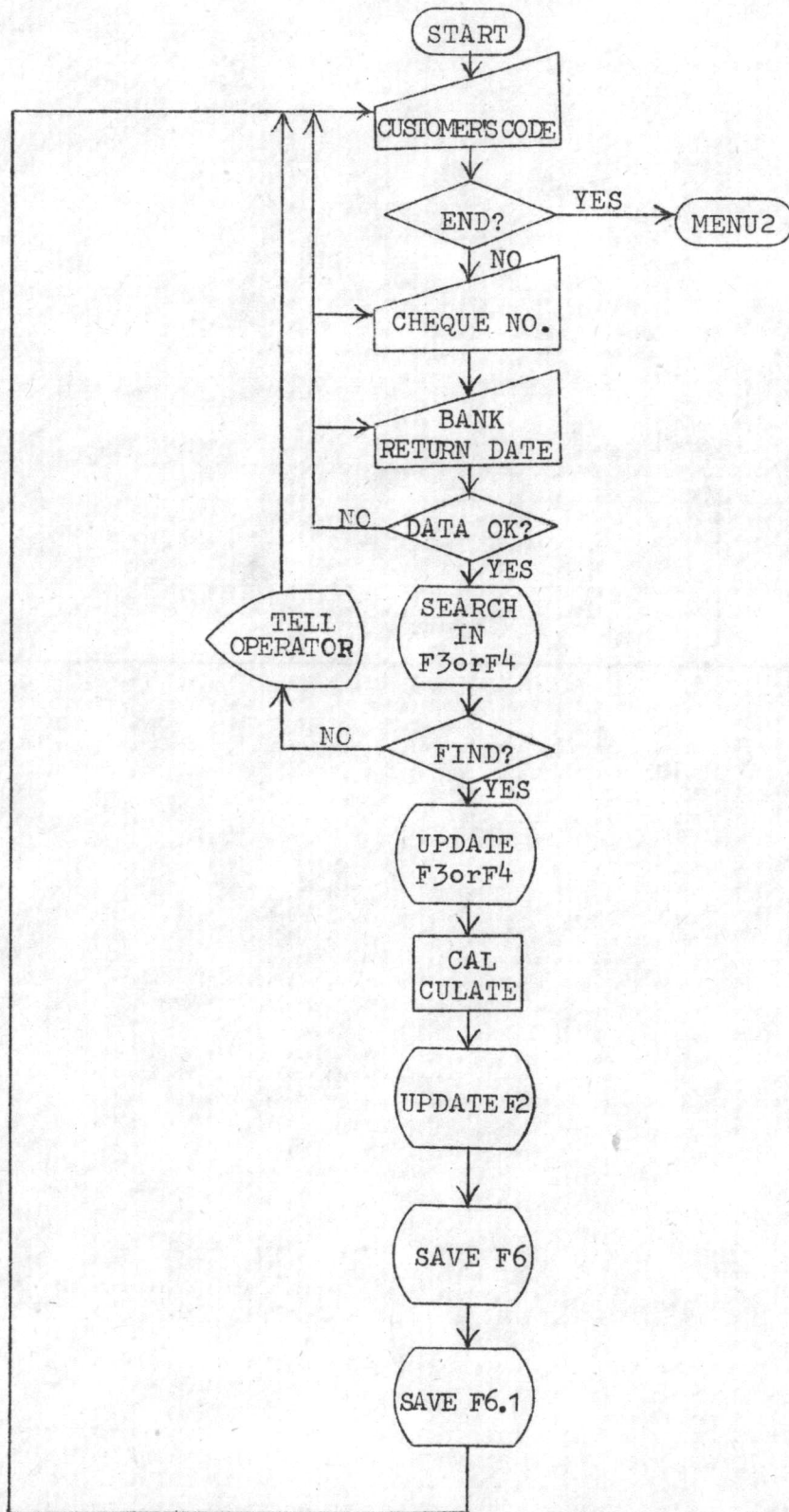
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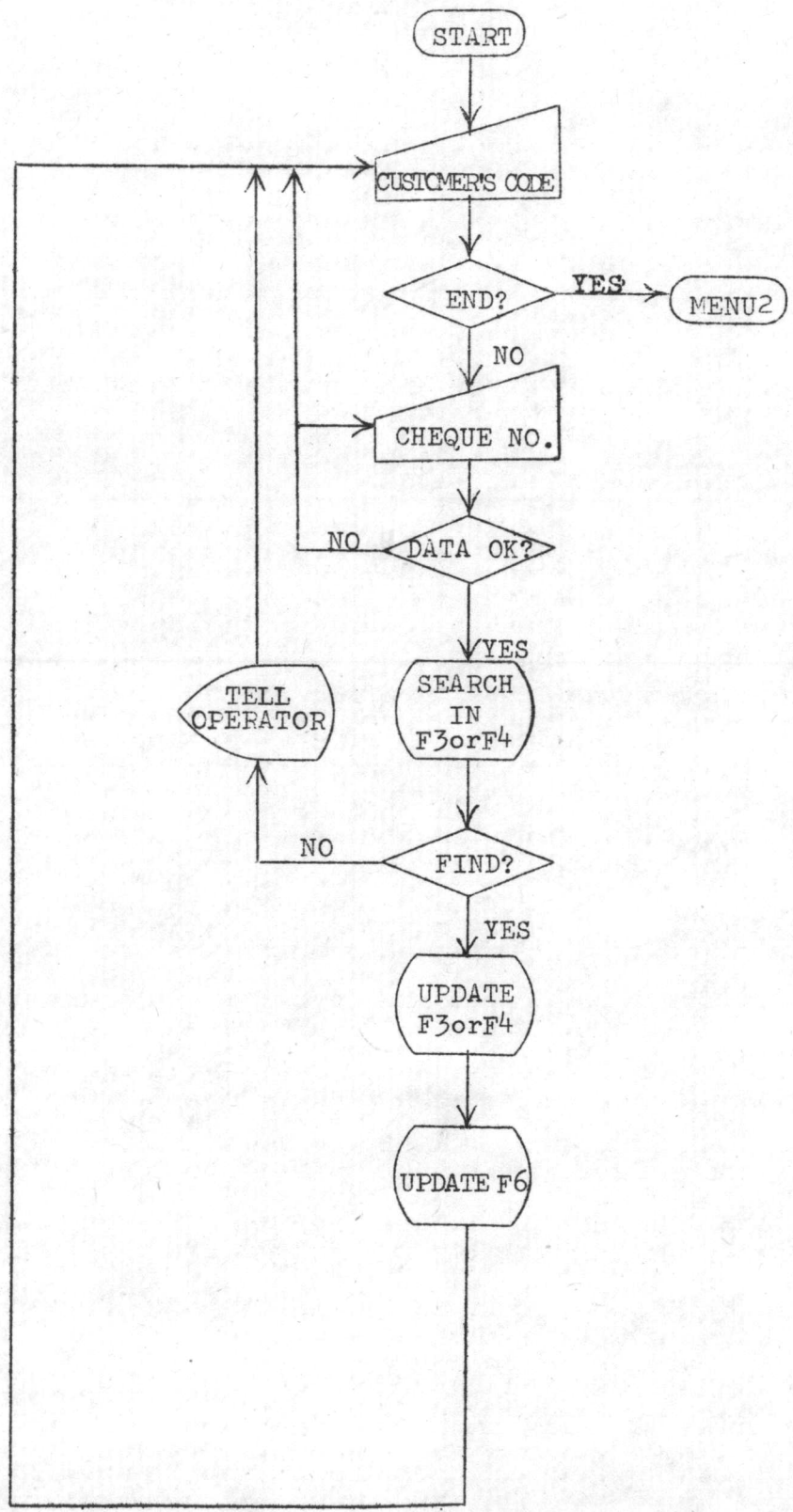
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โปรแกรม RETURN2

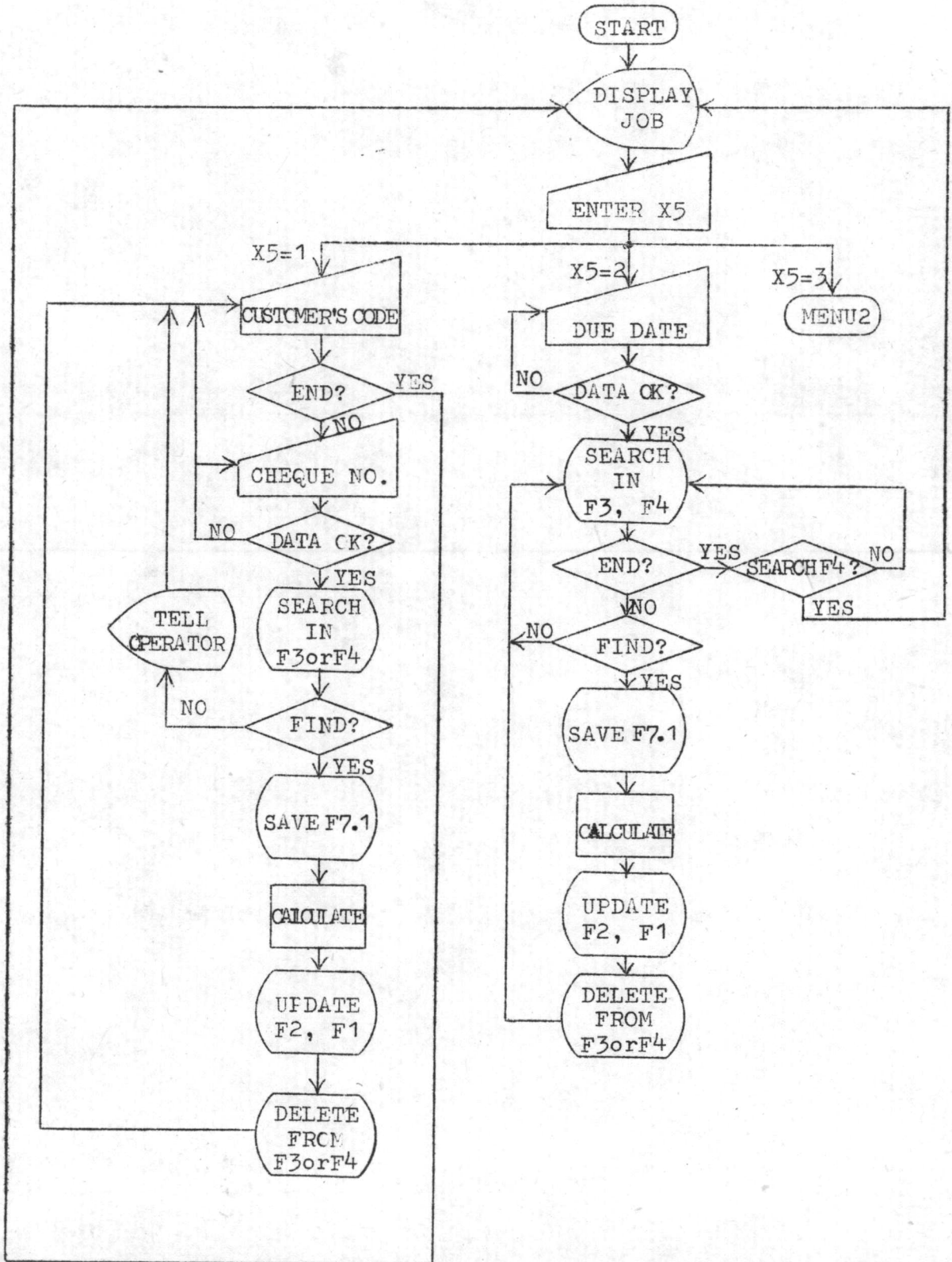


### PROGRAM RETURN3



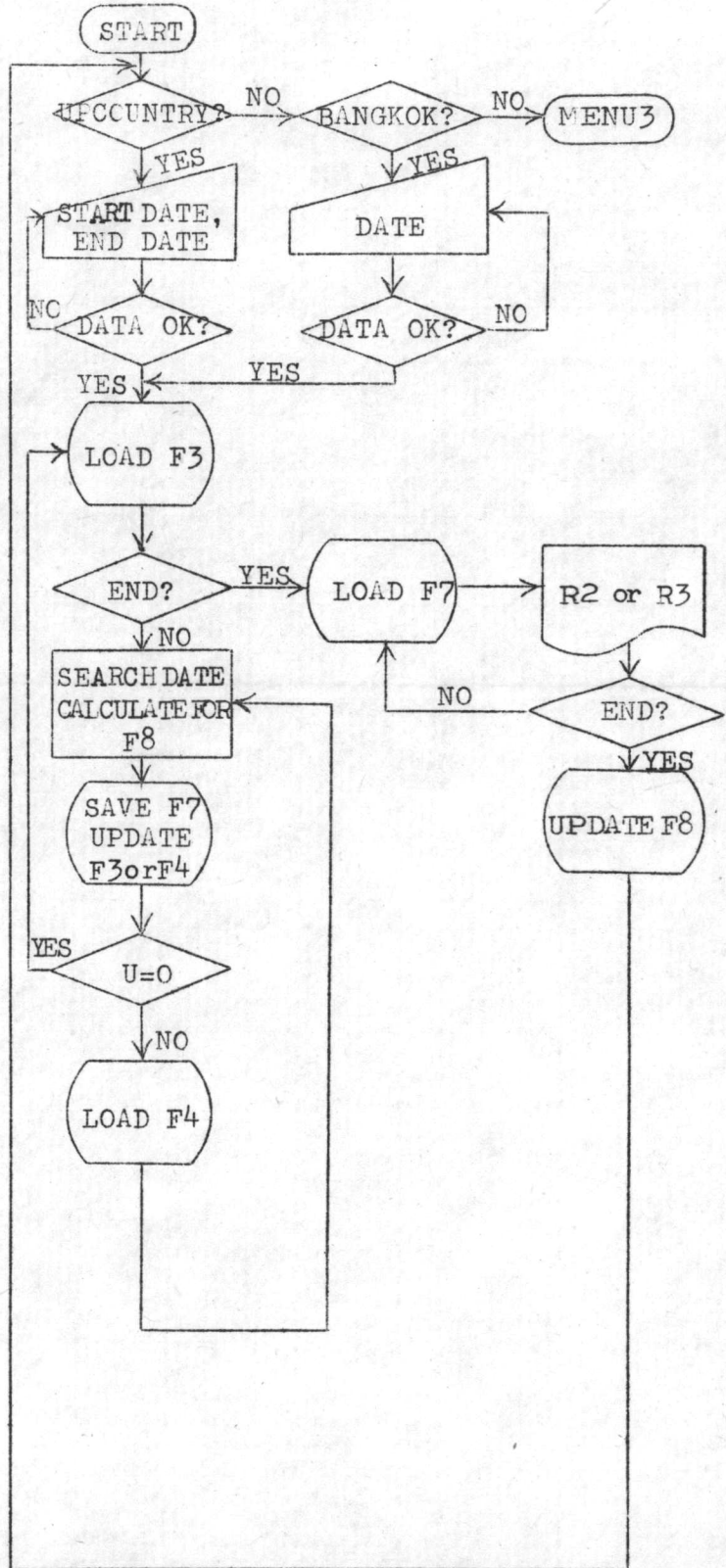
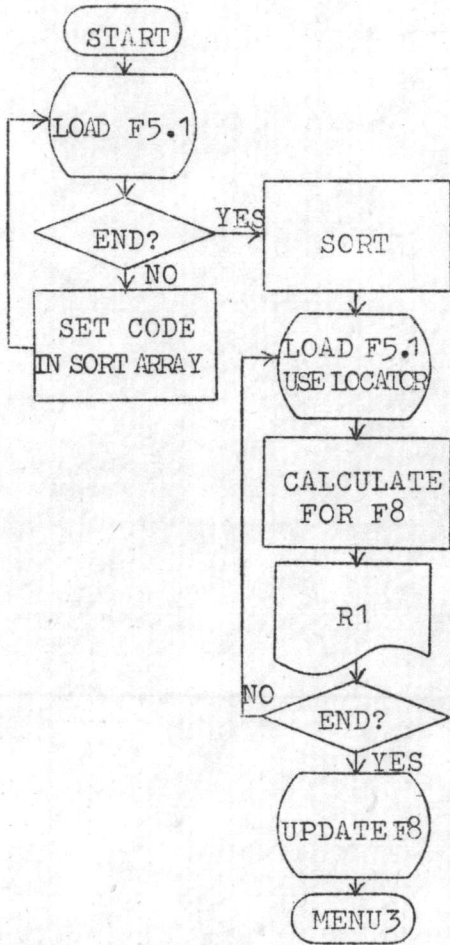


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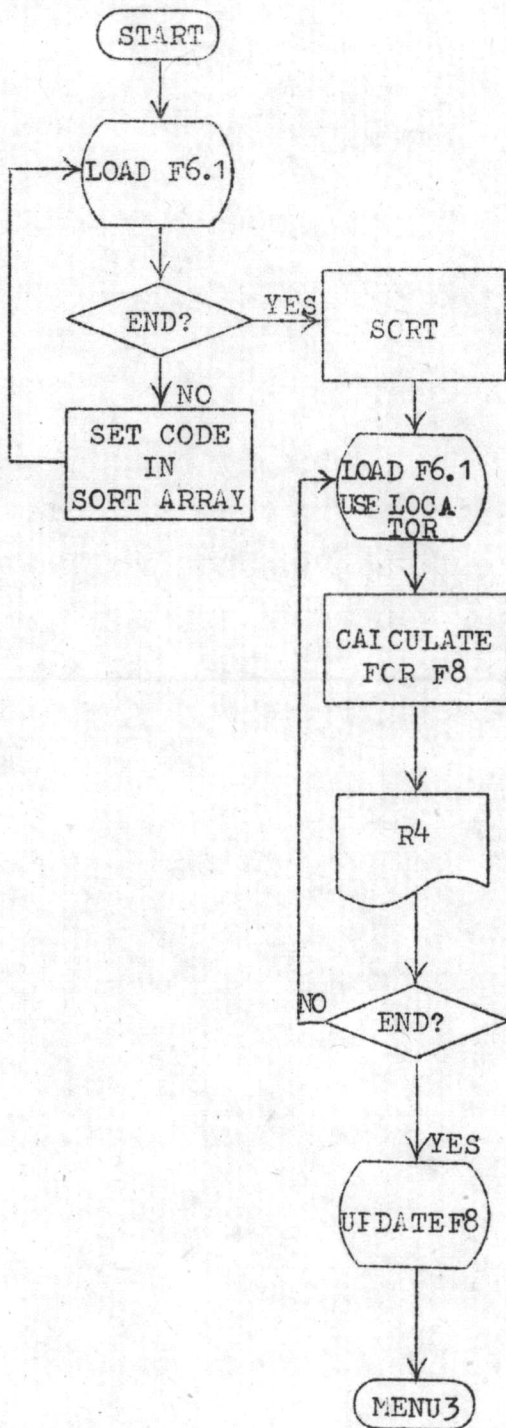


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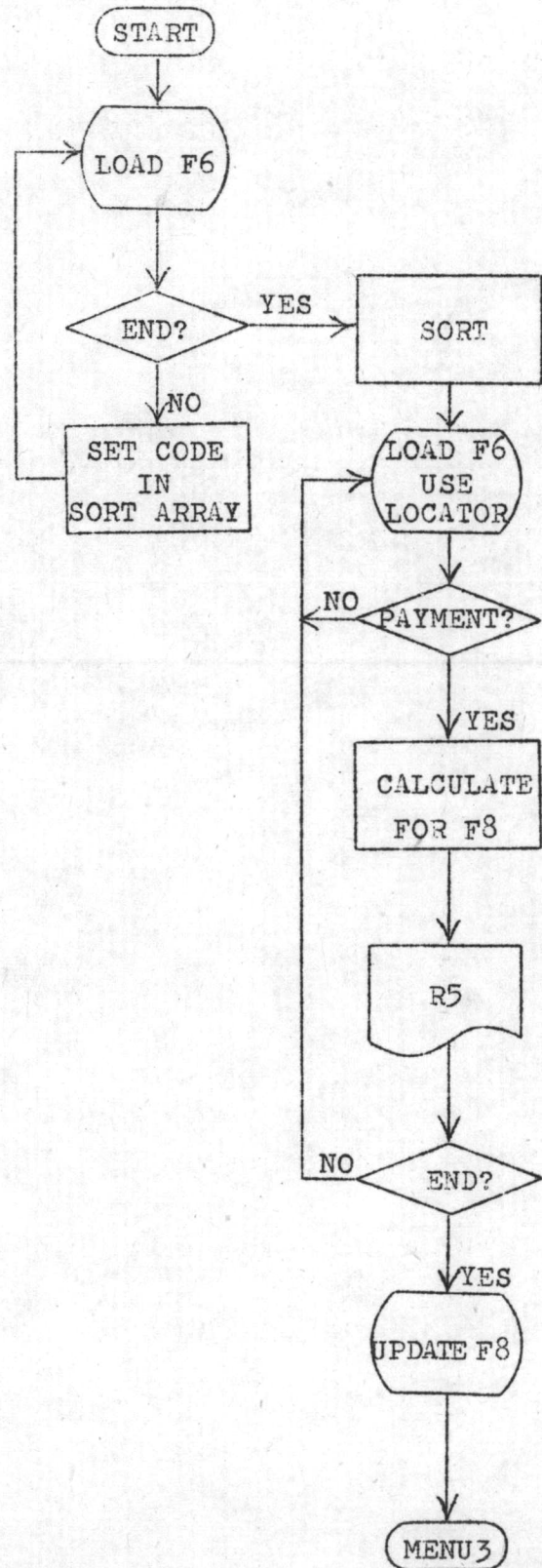
โปรแกรม REPORT70



โปรแกรม REPORT61

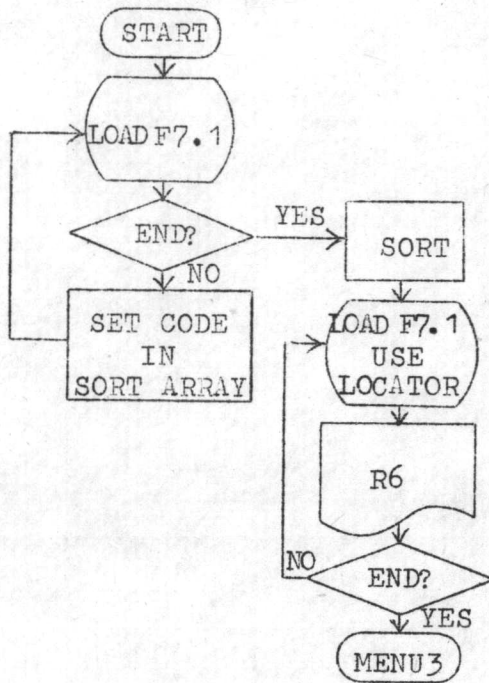


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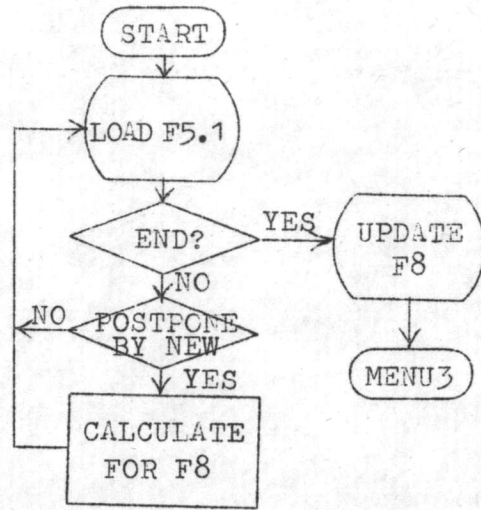




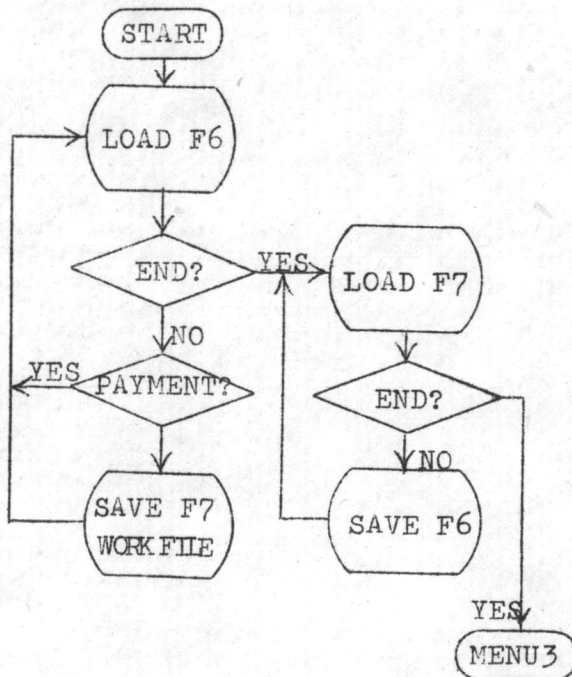
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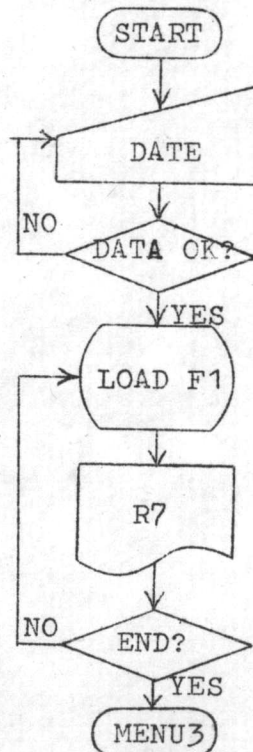
โปรแกรม ACCOUNT



โปรแกรม UPDATE60

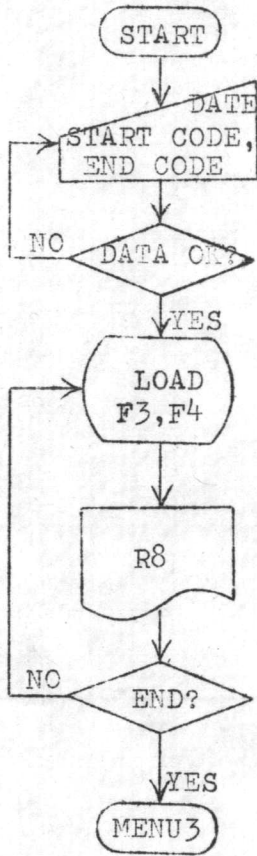


โปรแกรม LISTING10

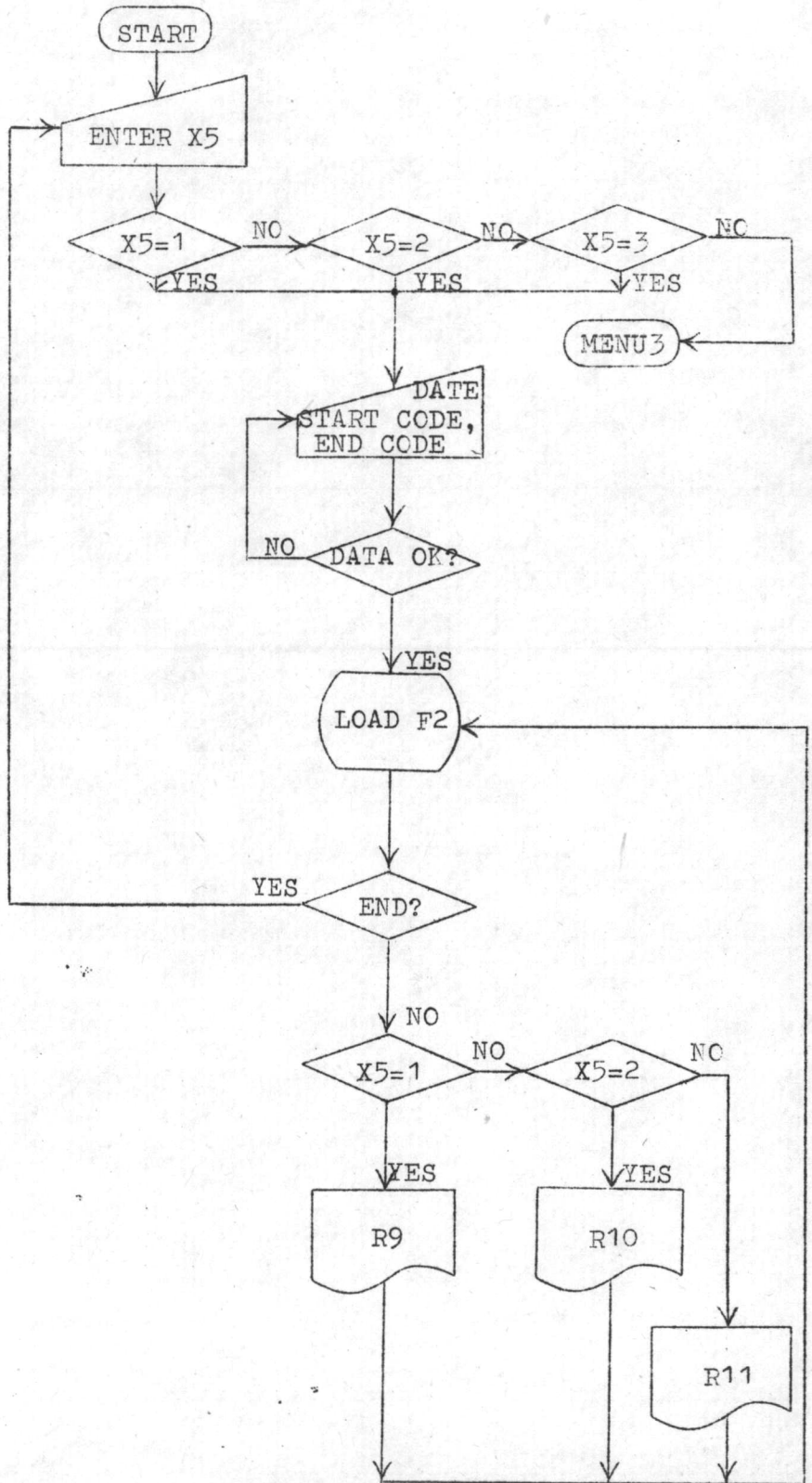




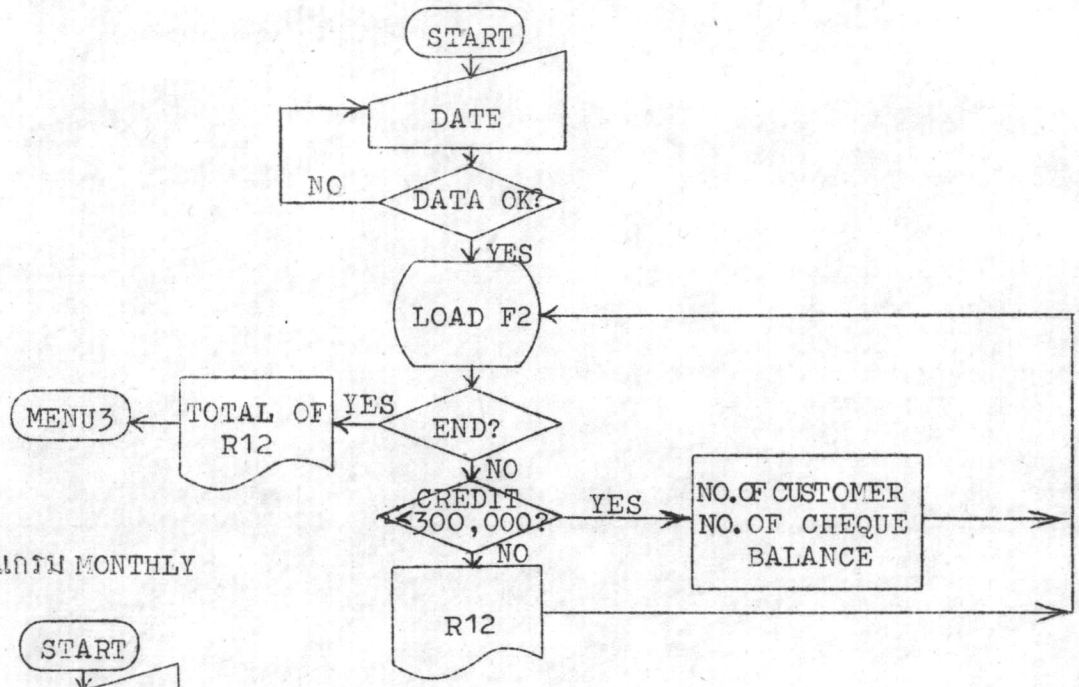
โปรแกรม LISTNG30



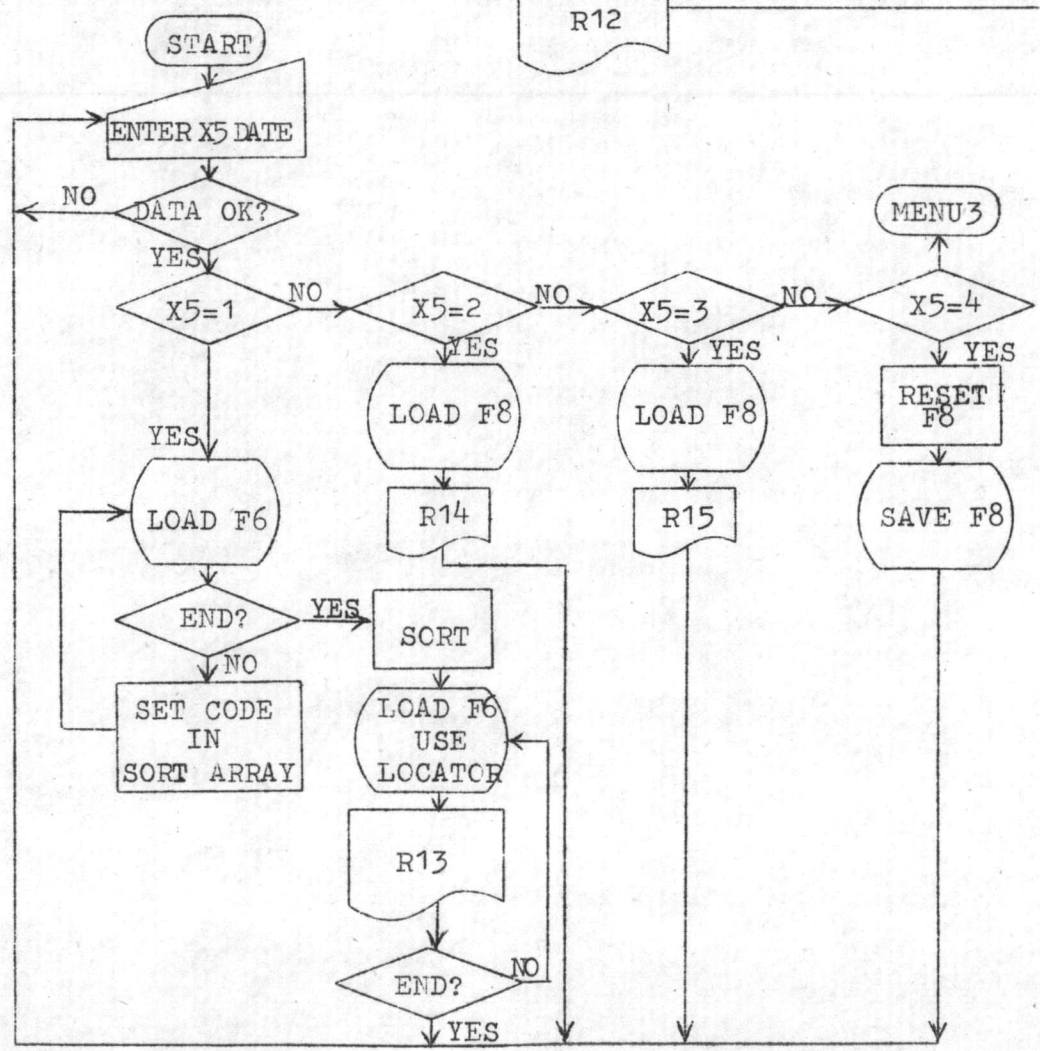
โปรแกรม LISTNG20



โปรแกรม WEEKLY20



โปรแกรม MONTHLY



### โปรแกรม START

```

10 REM START 06/25/78 SELECT PROGRAM AND DATA DEVICE
20 SELECT PRINT 005(64)
30 PRINT HEX(030A0A0A);TAB(10);"SELECT PROGRAM AND DATA DEVICE": PRIN
T HEX(0A0A);TAB(5);"(1) = 310";TAB(25);"(2) = 610"
40 PRINT HEX(0A0A): INPUT "Enter No. of Program and data Disk Device
",S1: IF S1=1THEN 50: IF S1=2THEN 60: GOTO 30
50 SELECT #1310,#2310,#3310,#4310,#5310,#6310: COTO 70
60 SELECT #1B10,#2B10,#3B10,#4B10,#5B10,#6B10
70 LOAD DC T#6,"MENU"

```

### โปรแกรม MENU

```

10 REM MENU 06/25/78 DISCOUNT CHEQUE SYSTEM MENU
20 DIM Z$(2)32,Z#64,Y#64: INIT(8B)Z#()
30 SELECT PRINT 005(64): PRINT HEX(03);TAB(20);" W A N G "
40 PRINT Z$(1);Z$(2): PRINT TAB(5);"FUNCTION KEYS";TAB(25);"FUNCTION
DESCRIPTION": PRINT Z$(1);Z$(2)
50 PRINT TAB(5);"00.....";HEX(20);"Create and Maintain Modu
le"
60 PRINT TAB(5);"01.....";HEX(20);"Daily Work Module"
70 PRINT TAB(5);"02.....";HEX(20);"Report Module"
80 GOTO 290
90 DEFFN '0: GOSUB '250("SYSTEM NOW LOADING","CREATE & MAINTAIN MODULE
"): LOAD DC T#6,"MENU1"
100 DEFFN '1: GOSUB '250("SYSTEM NOW LOADING","DAILY WORK MODULE"): LD
AD DC T#6,"MENU2"
110 DEFFN '2: GOSUB '250("SYSTEM NOW LOADING","REPORT MODULE"): LOAD D
C T#6,"MENU3"
120 DEFFN '03: A#="03": GOTO 280
130 DEFFN '04: A#="04": GOTO 280
140 DEFFN '05: A#="05": GOTO 280
150 DEFFN '06: A#="06": GOTO 280
160 DEFFN '07: A#="07": GOTO 280
170 DEFFN '08: A#="08": GOTO 280
180 DEFFN '09: A#="09": GOTO 280
190 DEFFN '10: A#="10": GOTO 280
200 DEFFN '11: A#="11": GOTO 280
210 DEFFN '12: A#="12": GOTO 280
220 DEFFN '13: A#="13": GOTO 280
230 DEFFN '14: A#="14": GOTO 280
240 DEFFN '15: A#="15": GOTO 280
250 DEFFN '250(Y#,Z#): PRINT HEX(030A0A0A0A0A): GOSUB 270: GOSUB '251(
9,55): GOSUB '251(8,56): PRINT TAB(8);HEX(81);TAB((64-LEN(Y#))/2);Y#;T
AB(56);HEX(81): PRINT TAB(8);HEX(81);TAB((64-LEN(Z#))/2);Z#;TAB(56);HE
X(81): GOSUB '251(8,56): GOSUB '251(9,55): GOSUB 270: RETURN
260 DEFFN '251(S,T): PRINT TAB(S);HEX(81);TAB(T);HEX(81): RETURN
270 PRINT TAB(10);: FOR S=1TO 23: PRINT HEX(8120);: NEXT S: PRINT : R
ETURN
280 RETURN CLEAR: PRINT HEX(07070707);"FUNCTION KEY";HEX(2020);A#;"
UNDEFINED !!!": PRINT HEX(0C0C0C)
290 REM

```



# FUNCTION MENU 1

```

10 REM MENU1 06/25/78 CREATE & MAINTAIN MODULE
20 DIM Z$(2)32,Z#64,Y#64: INIT(3B)Z#()
30 SELECT PRINT 005(64): PRINT HEX(03);TAB(20);" W A N C "
40 PRINT Z$(1);Z$(2): PRINT TAB(5);"FUNCTION KEYS";TAB(25);"FUNCTION
DESCRIPTION": PRINT Z$(1);Z$(2)
50 PRINT TAB(5);"00.....";HEX(20);"Create Company File"
60 PRINT TAB(5);"01.....";HEX(20);"Maintain Company File"
70 PRINT TAB(5);"02.....";HEX(20);"Create Customer File"
80 PRINT TAB(5);"03.....";HEX(20);"Maintain Customer File(H
istory)"
90 PRINT TAB(5);"04.....";HEX(20);"Maintain Customer File(O
utstanding)"
100 PRINT TAB(5);"05.....";HEX(20);"Create Cheque file(New
Customer)"
110 PRINT TAB(5);"06.....";HEX(20);"Maintain Cheque File(Mo
dify,Addition)"
120 PRINT TAB(5);"07.....";HEX(20);"Create Returned Cheque
File"
130 PRINT TAB(5);"08.....";HEX(20);"Create A/C and Others F
ile"
140 PRINT TAB(5);"15.....";HEX(20);"System Menu"
150 GOTO 350
160 DEFFN'0: GOSUB '250("SYSTEM NOW LOADING","CREATE COMPANY FILE"):
LOAD DC T#6,"CREATE10"
170 DEFFN'1: GOSUB '250("SYSTEM NOW LOADING","MAINTAIN COMPANY FILE"):
LOAD DC T#6,"MAINTN10"
180 DEFFN'2: GOSUB '250("SYSTEM NOW LOADING","CREATE CUSTOMER FILE"):
LOAD DC T#6,"CREATE20"
190 DEFFN'3: GOSUB '250("SYSTEM NOW LOADING","MAINTAIN CUSTOMER FILE"):
LOAD DC T#6,"MAINTN20"
200 DEFFN'4: GOSUB '250("SYSTEM NOW LOADING","MAINTAIN CUSTOMER FILE"):
LOAD DC T#6,"MAINTN21"
210 DEFFN'5: GOSUB '250("SYSTEM NOW LOADING","CREATE CUSTOMER CHEQUE
FILE"): LOAD DC T#6,"CREATE30"
220 DEFFN'6: GOSUB '250("SYSTEM NOW LOADING","MAINTAIN CUSTOMER CHEQU
E FILE"): LOAD DC T#6,"MAINTN30"
230 DEFFN'07: GOSUB '250("SYSTEM NOW LOADING","CREATE RETURNED CHEQUE
FILE"): LOAD DC T#6,"CREATE60"
240 DEFFN'08: GOSUB '250("SYSTEM NOW LOADING","CREATE A/C AND OTHERS
FILE"): LOAD DC T#6,"CREATE"
250 DEFFN'09: A#="09": GOTO 350
260 DEFFN'10: A#="10": GOTO 350
270 DEFFN'11: A#="11": GOTO 350
280 DEFFN'12: A#="12": GOTO 350
290 DEFFN'13: A#="13": GOTO 350
300 DEFFN'14: A#="14": GOTO 350
310 DEFFN'15: GOSUB '250("SYSTEM NOW LOADING","SYSTEM MENU"): LOAD DC
T#6,"MENU"
320 DEFFN'250(Y#,Z#): PRINT HEX(030A0A0A0A0A): GOSUB 340: GOSUB '251(
S,55): GOSUB '251(8,56): PRINT TAB(8);HEX(81);TAB((64-LEN(Y#))/2);Y#;T
AB(56);HEX(81): PRINT TAB(8);HEX(81);TAB((64-LEN(Z#))/2);Z#;TAB(56);HE
X(81): GOSUB '251(8,56): GOSUB '251(9,55): GOSUB 340: RETURN
330 DEFFN'251(S,T): PRINT TAB(S);HEX(81);TAB(T);HEX(81): RETURN
340 PRINT TAB(10);: FOR S=1TO 23: PRINT HEX(8120);: NEXT S: PRINT : R
ETURN
350 RETURNCLEAR: PRINT HEX(0707070707);"FUNCTION KEY";HEX(2020):A#;"
UNDEFINED !!!": PRINT HEX(0C0C0C)
360 REM

```



## โปรแกรม CREATE TO

```

5 LOAD DC T#6,"SUBISS"1365,1580
100 REM CREATE10 06/25/78 CREATE COMPANY FILE
110 DIM N1$45,A1$45,T1$15,T1(6): DIM Z$(3)30,Z$1
120 RESTORE : MAT READ Z$
130 GOSUB '1: PRINT HEX(030A);TAB(10);"CREATE COMPANY FILE "
140 DATA SAVE DC OPEN T#1,3,"CHOIF010": DATA SAVE DC #1,END
150 INIT (20) N1$,A1$,T1$: MAT T1=ZER
160 Z=0: PRINT HEX(03);TAB(10);"CREATE COMPANY FILE"
170 GOSUB '243("Company's Name",45): N1$=05$: PRINT HEX(01): GOSUB '24
2(7,HEX(0A)): PRINT Z$(1);N1$: IF Z<>0 THEN 200
180 GOSUB '243("Company's Address",45): A1$=06$: PRINT HEX(01): GOSUB
'242(8,HEX(0A)): PRINT Z$(2);A1$: IF Z<>0 THEN 200
190 GOSUB '243("Telephone No.",15): T1$=06$: PRINT HEX(01): GOSUB '242
(9,HEX(0A)): PRINT Z$(3);T1$
200 GOSUB '243("Enter No. to be corrected (1-3) or (0) to exit",1): Z
$=06$: IF Z$="" THEN 200
210 CONVERT Z$ TO Z: IF Z=0 THEN 220: IF Z>3 THEN 200: IF Z<1 THEN 200
: GOSUB '248(Z+6,LEN(Z$(Z)),1): ON Z GOTO 170,180,190
220 PRINT HEX(030A);TAB(10);"COMPANY FILE CREATION"
230 BSKIP #1,END: DATA SAVE DC #1,N1$,A1$,T1$,T1(): DATA SAVE DC #1,EN
D
240 LOAD DC T#6,"MENU1"
250 DATA "(1) Company's Name: ", "(2) Company's Address: ", "(3) Telep
hone No.: "
260 DEFPN'1: SELECT PRINT 005(64): RETURN

```

LUTUNU MAINTN10

```

5 LOAD DC T#6,"SUBISS"1365,1580
100 REM MAINTN10 06/25/78 MAINTAIN COMPANY FILE
110 DIM N1$45,A1$45,T1$15,T1(6): DIM Z$(9)40,Z#1
120 RESTORE : MAT READ Z#
130 GOSUB '1: PRINT HEX(03);TAB(10);"MAINTAIN COMPANY FILE"
140 DATA LOAD DC OPEN T#1,"CHQIF010": DATA LOAD DC #1,N1$,A1$,T1$,T1(6)
150 PRINT HEX(01): GOSUB '242(5,HEX(0A)): PRINT Z$(1);N1$
160 PRINT HEX(01): GOSUB '242(6,HEX(0A)): PRINT Z$(2);A1$
170 PRINT HEX(01): GOSUB '242(7,HEX(0A)): PRINT Z$(3);T1$
180 FOR J=1 TO 6: PRINT HEX(01): GOSUB '242(7+J,HEX(0A)): PRINT Z$(J+
J);T1(J): NEXT J
190 GOSUB '243("Enter No. to be corrected (1-9) ,or (0) to exit",1): Z
$=06$: IF Z#="" THEN 190
200 CONVERT Z# TO Z: IF Z=0 THEN 300: IF Z>9 THEN 190: IF Z<1 THEN 190
: GOSUB '248(Z+4,LEN(Z$(Z)),1): ON Z GOTO 210,220,230,240,250,260,270,
280,290
210 GOSUB '243("Company's Name",45): N1$=06$: PRINT HEX(01): GOSUB '24
2(5,HEX(0A)): PRINT Z$(1);N1$: IF Z<>0 THEN 190
220 GOSUB '243("Company's Address",45): A1$=06$: PRINT HEX(01): GOSUB
'242(6,HEX(0A)): PRINT Z$(2);A1$: IF Z<>0 THEN 190
230 GOSUB '243("Telephone No.",15): T1$=06$: PRINT HEX(01): GOSUB '242
(7,HEX(0A)): PRINT Z$(3);T1$: IF Z<>0 THEN 190
240 GOSUB '245("No. of Customer's Cheque (Other)",5,0): T1(1)=09: PRIN
T HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z$(4);T1(1): IF Z<>0 THEN 190
250 GOSUB '245("Amount of Customer's Cheque",10,2): T1(2)=09: PRINT HE
X(01): GOSUB '242(9,HEX(0A)): PRINT Z$(5);T1(2): IF Z<>0 THEN 190
260 GOSUB '245("No. of Personal's Cheque (Owner)",5,0): T1(3)=09: PRIN
T HEX(01): GOSUB '242(10,HEX(0A)): PRINT Z$(6);T1(3): IF Z<>0 THEN 190
270 GOSUB '245("Amount of Personal's Cheque",10,2): T1(4)=09: PRINT HE
X(01): GOSUB '242(11,HEX(0A)): PRINT Z$(7);T1(4): IF Z<>0 THEN 190
280 GOSUB '245("No. of Upcountry's Cheque",5,0): T1(5)=09: PRINT HEX(0
1): GOSUB '242(12,HEX(0A)): PRINT Z$(8);T1(5): IF Z<>0 THEN 190
290 GOSUB '245("Amount of Upcountry's Cheque",10,2): T1(6)=09: PRINT H
EX(01): GOSUB '242(13,HEX(0A)): PRINT Z$(9);T1(6): IF Z<>0 THEN 190
300 PRINT HEX(030A);TAB(10);"COMPANY FILE MAINTAIN"
310 DBACKSPACE #1,19: DATA SAVE DC #1,N1$,A1$,T1$,T1(6): DATA SAVE DC #
1,END
320 LOAD DC T#6,"MENU1"
330 DATA "(1) Company's Name :", "(2) Company's Address :", "(3) Telep
hone No. :",
340 DATA "(4) No. of Customer's Cheque (Other) :", "(5) Amount of Cus
tomer's Cheque :", "(6) No. of Personal's Cheque (Owner) :",
350 DATA "(7) Amount of Personal's Cheque :", "(8) No. of Upcountry's
Cheque :", "(9) Amount of Upcountry's Cheque :",
360 DEFFN '1: SELECT PRINT 005(64): RETURN

```

## LUNNUNNCREATE20

```

5 LOAD DC T#6,"SUBISS"1365,1580
100 REM CREATE20 06/25/78 CREATE CUSTOMER FILE
110 DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5,L#1,Y#2,T(10): DIM Z#(9)40,Z#
1
120 RESTORE : MAT READ Z#
130 GOSUB '1: PRINT HEX(030A);TAB(10);"CREATE CUSTOMER FILE": PRINT TA
B(5);"(1) = First Creation (Use once only)": PRINT TAB(5);"(2) = Conti
nue Creation or New Customer"
140 PRINT : INPUT "Enter the No. for Selected job",X5: IF X5=1 THEN 15
0: IF X5=2 THEN 310: GOTO 130
150 DATA SAVE DC OPEN T#2,602,"CHO1F020": DATA SAVE DC #2,END
160 C=C+1: INIT (20) C#N#,A#T#,B#S#,R#L#,Y#: MAT T = ZER
170 Z=0: PRINT HEX(03);TAB(10);"CUSTOMER FILE CREATION":("X5:"): CO
NVERT C TO STR(C#,1,4),(###): GOSUB '3: PRINT HEX(01): GOSUB '242(5,
HEX(0A)): PRINT "CUSTOMER CODE: ";C#
180 GOSUB '243("Customer's Name,or 0 to terminate",45): N#=Q6#: IF N#=
"0"THEN 320: PRINT HEX(01): GOSUB '242(6,HEX(0A)): PRINT Z#(1);N#: IF
Z<>0THEN 270
190 GOSUB '243("Customer's Address,",45): A#=Q6#: PRINT HEX(01): GOSUB
'242(7,HEX(0A)): PRINT Z#(2);A#: IF Z<>0THEN 270
200 GOSUB '243("Telephone No.",15): T#=Q6#: PRINT HEX(01): GOSUB '242(
8,HEX(0A)): PRINT Z#(3);T#: IF Z<>0THEN 270
210 GOSUB '243("Type of Business",15): B#=Q6#: PRINT HEX(01): GOSUB '2
42(9,HEX(0A)): PRINT Z#(4);B#: IF Z<>0 THEN 270
220 GOSUB '243("Security (Collateral)",10): S#=Q6#: PRINT HEX(01): GOS
UB '242(10,HEX(0A)): PRINT Z#(5);S#: IF Z<>0 THEN 270
230 GOSUB '245("Credit Limit",8,0): E=Q9: PRINT HEX(01): GOSUB '242(11
,HEX(0A)): PRINT Z#(6);E: IF Z<>0 THEN 270
240 GOSUB '245("Rate",2,2): CONVERT Q9TO R#,(##.##): PRINT HEX(01): GO
SUB '242(12,HEX(0A)): PRINT Z#(7);R#: IF Z<>0 THEN 270
250 GOSUB '243("No. of Days for Special Discount( 0 or 1 )",1): L#=Q6#
: PRINT HEX(01): GOSUB '242(13,HEX(0A)): PRINT Z#(8);L#: IF Z<>0THEN 2
70
260 GOSUB '243("No. of days for Upcountry Cheque (10,12,15)",2): Y#=Q6
#: IF LEN(Y#)<>2THEN 260: PRINT HEX(01): GOSUB '242(14,HEX(0A)): PRINT
Z#(9);Y#
270 GOSUB '243("Enter No. to be corrected (1-9) ,or (0) to exit",1): Z
#=Q6#: IF Z#=" "THEN 270
280 CONVERT Z# TO Z: IF Z=0 THEN 290: IF Z>9 THEN 270: IF Z<1 THEN 270
: GOSUB '248(Z+5,LEN(Z#(Z)),1): ON Z GOTO 180,190,200,210,220,230,240,
250,260
290 PRINT HEX(030A);TAB(10);"CUSTOMER FILE CREATION"
300 DSKIP #2,END: DATA SAVE DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(): DA
TA SAVE DC #2,END: GOTO 160
310 DATA LOAD DC OPEN T#2,"CHO1F020": DSKIP #2,END: DBACKSPACE #2,15:
DATA LOAD DC #2,C#: CONVERT STR(C#,1,4) TO C: GOTO 160
320 LOAD DC T#6,"MENU1"
330 DATA "(1) Customer's Name :","(2) Customer's Address :","(3) Tel
ephone No. :","(4) Type of Business :","(5) Security (Collateral) :
340 DATA "(6) Credit Limit :","(7) Rate :","(8) No. of Days for Spe
cial Discount :","(9) No. of Days for Upcountry Cheque :":
350 DEFFN '1: SELECT PRINT 005(64): RETURN
360 DEFFN '3: C2=0
370 FOR J=1TO 4: CONVERT STR(C#,J,1)TO C1: C2=C2+C1*(6-J): NEXT J
380 C3=C2-(INT(C2/11)*11): IF C3<=1THEN 390: C4=11-C3: GOTO 400
390 C4=0
400 CONVERT C4 TO STR(C#,5,1),(#): RETURN

```



MAINTN20

```

5 LOAD DC T#6,"SUB188"1365,1580
100 REM MAINTN20 06/25/78 MAINTAIN CUSTOMER FILE(HISTORY)
110 DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5,L#1,Y#2,T(10): DIM Z#(9)40,Z#
1
120 RESTORE : MAT READ Z#
130 GOSUB '1: PRINT HEX(03):TAB(10):"MAINTAIN CUSTOMER FILE(HISTORY)"
140 INIT(20)C#,N#,A#,T#,B#,S#,R#,L#,Y#: E=0: MAT T=ZER
150 GOSUB '243("Customer's Code or NNNNN to terminate",5): C#=Q6#: IF
LEN(C#)<>5 THEN 150: IF C#="NNNNN" THEN 400: GOSUB '4: PRINT HEX(01): GO
SUB '242(5,HEX(0A)): PRINT "CUSTOMER CODE :":C#
160 DATA LOAD DC OPEN T#2,"CHQIF020": CONVERT STR(C#,1,4)TO C: IF C=1T
MEN 170: DSKIP #2,(C-1)S
170 DATA LOAD DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(1)
180 PRINT HEX(01): GOSUB '242(6,HEX(0A)): PRINT Z#(1);N#
190 PRINT HEX(01): GOSUB '242(7,HEX(0A)): PRINT Z#(2);A#
200 PRINT HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z#(3);T#
210 PRINT HEX(01): GOSUB '242(9,HEX(0A)): PRINT Z#(4);B#
220 PRINT HEX(01): GOSUB '242(10,HEX(0A)): PRINT Z#(5);S#
230 PRINT HEX(01): GOSUB '242(11,HEX(0A)): PRINT Z#(6);E
240 PRINT HEX(01): GOSUB '242(12,HEX(0A)): PRINT Z#(7);R#
250 PRINT HEX(01): GOSUB '242(13,HEX(0A)): PRINT Z#(8);L#
260 PRINT HEX(01): GOSUB '242(14,HEX(0A)): PRINT Z#(9);Y#
270 GOSUB '243("Enter the No. to be corrected (1-9) or (0) to exit",1)
: Z#=Q6#: IF Z#=" " THEN 270
280 CONVERT Z# TO Z: IF Z=0 THEN 380: IF Z>9 THEN 270: IF Z<1 THEN 270
: GOSUB '248(Z+5,LEN(Z#(Z)),1): ON Z GOTO 290,300,310,320,330,340,350,
360,370
290 GOSUB '243("Customer's Name",45): N#=Q6#: PRINT HEX(01): GOSUB '24
2(6,HEX(0A)): PRINT Z#(1);N#: IF Z<>0 THEN 270
300 GOSUB '243("Customer's Address",45): A#=Q6#: PRINT HEX(01): GOSUB
'242(7,HEX(0A)): PRINT Z#(2);A#: IF Z<>0 THEN 270
310 GOSUB '243("Telephone No.",15): T#=Q6#: PRINT HEX(01): GOSUB '242(
8,HEX(0A)): PRINT Z#(3);T#: IF Z<>0 THEN 270
320 GOSUB '243("Type of Business",15): B#=Q6#: PRINT HEX(01): GOSUB '2
42(9,HEX(0A)): PRINT Z#(4);B#: IF Z<>0 THEN 270
330 GOSUB '243("Security (Collateral)",10): S#=Q6#: PRINT HEX(01): GOS
UB '242(10,HEX(0A)): PRINT Z#(5);S#: IF Z<>0 THEN 270
340 GOSUB '245("Credit Limit",8,0): E=Q9: PRINT HEX(01): GOSUB '242(11
,HEX(0A)): PRINT Z#(6);E: IF Z<>0 THEN 270
350 GOSUB '245("Rate",2,2): CONVERT Q9TO R#,(##,##): PRINT HEX(01): GO
SUB '242(12,HEX(0A)): PRINT Z#(7);R#: IF Z<>0 THEN 270
360 GOSUB '243("No. of Days for Special Discount;( 0 or 1 )",1): L#=Q6
#: PRINT HEX(01): GOSUB '242(13,HEX(0A)): PRINT Z#(8);L#: IF Z<>0 THEN
270
370 GOSUB '243("No. of days for Upcountry Cheque(10,12,15)",2): Y#=Q6#:
IF LEN(Y#)<>2 THEN 260: PRINT HEX(01): GOSUB '242(14,HEX(0A)): PRINT Z
#(9);Y#: IF Z<>0 THEN 270
380 PRINT HEX(030A):TAB(10):"CUSTOMER FILE MAINTAIN"
390 BACKSPACE #2,15: DATA SAVE DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(1)
: GOTO 130
400 LOAD DC T#6,"MENU1"
410 DATA "(1) Customer's Name :","(2) Customer's Address :","(3) Tel
ephone No. :","(4) Type of Business :","(5) Security (Collateral) :
420 DATA "(6) Credit Limit :","(7) Rate :","(8) No. of Days for Spe
cial Discount :","(9) No. of Days for Upcountry Cheque :
430 DEFFN'1: SELECT PRINT 005(64): RETURN
440 DEFFN'4: C2=0
450 FOR J=1TO 4: CONVERT STR(C#,J,1)TO C1: C2=C2+C1*(6-J): NEXT J
460 C3=C2-(INT(C2/11)*11): IF C3<=1 THEN 470: C4=11-C3: GOTO 480
470 C4=0
480 CONVERT C4 TO Z#,(#): IF Z#=STR(C#,5,1) THEN 490: RETURN CLEAR: GOT
O 130
490 RETURN

```



MAINTN21

```

5 LOAD DC T#6,"SLIB199"1365,1580
100 REM MAINTN21 06/25/78 MAINTNAIN CUSTOMER FILE(OUTSTANDING)
110 DIM C$5,N$45,A$45,T$15,B$15,S$10,R$5,L$1,Y$2,T(10): DIM Z$(6)40,Z$
1
120 RESTORE : MAT READ Z$
130 GOSUB '1: PRINT HEX(030A);TAB(10);"MAINTAIN CUSTOMER FILE(OUTSTAND
ING)"
140 INIT(20)C$,N$,A$,T$,B$,S$,R$,L$,Y$: E=0: MAT T=ZER
150 GOSUB '243("Customer's Code or NNNNN to terminate",5): C$=Q6$: IF
LEN(C$)<>5THEN 150: IF C$="NNNNN"THEN 290: GOSUB '4: PRINT HEX(01): GO
SUB '242(6,HEX(0A)): PRINT "CUSTOMER CODE   ":C$
160 DATA LOAD DC OPEN T#2,"CHQIF020": CONVERT STR(C$,1,4)TO C: IF C=17
HEN 170: DSKIP #2,(C-1)S
170 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(1)
180 FOR J=1 TO 6: PRINT HEX(01): GOSUB '242(6+J,HEX(0A)): PRINT Z$(J)
:T(J): NEXT J
190 GOSUB '243("Enter the No. to be corrected (1-6) or (0) to exit",1)
: Z$=Q6$: IF Z$=" " THEN 190
200 CONVERT Z$ TO Z: IF Z=0 THEN 270: IF Z>6 THEN 190: IF Z<1 THEN 190
: GOSUB '248(Z+6,LEN(Z$(Z)),1): ON Z GOTO 210,220,230,240,250,260
210 GOSUB '245("No. of Customer's Cheque (Other)",4,0): T(1)=Q9: PRIN
T HEX(01): GOSUB '242(7,HEX(0A)): PRINT Z$(1);T(1): IF Z<>0THEN 180
220 GOSUB '245("Amount of Customer's Cheque",8,2): T(2)=Q9: PRINT HEX
(01): GOSUB '242(8,HEX(0A)): PRINT Z$(2);T(2): IF Z<>0THEN 180
230 GOSUB '245("No. of Personal's Cheque (Owner)",4,0): T(3)=Q9: PRIN
T HEX(01): GOSUB '242(9,HEX(0A)): PRINT Z$(3);T(3): IF Z<>0THEN 180
240 GOSUB '245("Amount of Personal's Cheque",8,2): T(4)=Q9: PRINT HEX
(01): GOSUB '242(10,HEX(0A)): PRINT Z$(4);T(4): IF Z<>0THEN 180
250 GOSUB '245("No. of Upcountry's Cheque",4,0): T(5)=Q9: PRINT HEX(0
1): GOSUB '242(11,HEX(0A)): PRINT Z$(5);T(5): IF Z<>0THEN 180
260 GOSUB '245("Amount of Upcountry's Cheque",8,2): T(6)=Q9: PRINT HE
X(01): GOSUB '242(12,HEX(0A)): PRINT Z$(6);T(6): IF Z<>0THEN 180
270 PRINT HEX(030A);TAB(10);"CUSTOMER FILE MAINTAIN"
280 DBACKSPACE #2,1S: DATA SAVE DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(1)
: GOTO 130
290 LOAD DC T#6,"MENU1"
300 DATA "(1) No. of Customer's Cheque (Other)   :","(2) Amount of Cus
tomer's Cheque   :","(3) No. of Personal's Cheque (Owner)   : "
310 DATA "(4) Amount of Personal's Cheque   :","(5) No. of Upcountry's
Cheque   :","(6) Amount of Upcountry's Cheque   : "
320 DEFPN'1: SELECT PRINT 005(64): RETURN
330 DEFPN'4: C2=0
340 FOR J=1TO 4: CONVERT STR(C$,J,1)TO C1: C2=C2+C1*(6-J): NEXT J
350 C3=C2-(INT(C2/11)*11): IF C3<=1THEN 360: C4=11-C3: GOTO 370
360 C4=0
370 CONVERT C4 TO Z$(#): IF Z$=STR(C$,5,1)THEN 380: RETURN CLEAR: GOT
O 130
380 RETURN

```

## PROGRAM CREATE30

```

5   LOAD DC T#6,"SUBDATE" 1005,1580
100 REM CREATE30 06/25/78 CREATE CUSTOMER CHEQUE FILE
110 DIM N1#45,A1#45,T1#15,T1(6): DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5,
L#1,Y#2,T(10): DIM Q#(69)95
120 DIM V1#2,I1#3,B2#9,C2#8,T2#1,D1#3,M2#5,N2#3,S2#1,V2#4,X2#3,Y2#6,Z
#1,Z#(9)19,C#2,H#2,H1#3,H2#2
130 A=69: RESTORE : MAT READ Z#
140 GOSUB '1: PRINT HEX(030A);TAB(10);"CREATE CUSTOMER CHEQUE FILE":
PRINT TAB(5);"(1)= First Creation (Use once only)": PRINT TAB(5);"(2)=
Continue Creation or New Customer"
150 PRINT : INPUT "Enter the No. for Selected job",X5: IF X5=1 THEN 1
60: IF X5=2 THEN 320: GOTO 140
160 DATA SAVE DC OPEN T#3,6002,"CHQ1F030": DATA SAVE DC #3,END: DATA
SAVE DC OPEN T#4,3002,"CHQ1F040": DATA SAVE DC #4,END
170 C=C+1: PRINT HEX(03);TAB(10);"CUSTOMER CHEQUE FILE CREATION";"(X
5:)": CONVERT C TO STR(C#,1,4),(###): GOSUB '3
180 GOSUB '20: DSKIP #3,END: DATA SAVE DC #3,C#,P,U,Q#(): DATA SAVE D
C #3,END: GOSUB '25
190 IF P<ATHEN 300: GOSUB '21
200 GOSUB '20: DSKIP #4,END: DATA SAVE DC #4,C#,P,U,Q#(): DATA SAVE D
C #4,END: GOSUB '25
210 REM ---FIND ADDRESS #4 AND PUT IN #3
220 LIMITS T#4,"CHQ1F040",X1,V1,Z1: DATA LOAD DC OPEN T#3,"CHQ1F030":
IF C=1 THEN 230: DSKIP #3,(C-1)*105
230 DATA LOAD DC #3,C#,P,U,Q#(): U=X1+Z1-12
240 DBACKSPACE #3,105: DATA SAVE DC #3,C#,P,U,Q#(): G1=U
250 IF P<ATHEN 300: GOSUB '21
260 GOSUB '20: DATA LOAD DC OPEN T#4,"CHQ1F040": DSKIP #4,END: DATA S
AVE DC #4,C#,P,U,Q#(): DATA SAVE DC #4,END: GOSUB '25
270 DATA LOAD DA T#4,(G1,G2)C#,P,U,Q#(): U=G1+10
280 DATA SAVE DA T#4,(G1,G2)C#,P,U,Q#(): G1=U
290 GOTO 250
300 GOSUB '22
310 LOAD DC T#6,"MENU1"
320 DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4,"CHQ1F040"
330 DSKIP #3,END: DBACKSPACE #3,105: DATA LOAD DC #3,C#: CONVERT STR(C
#,1,4) TO C: GOTO 170
340 DATA "(1) Invoice No. :","(2) Invoice Date :","(3) Bank-Code :","
(4) Cheque No. :","(5) Type :","(6) Due Date :","(7) Amount :","
(8) No. of Days :","(9) Status :":
350 DEFFN '1: SELECT PRINT 005(64): RETURN
360 DEFFN '3: C2=0
370 FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
380 C3=C2-(INT(C2/11)*11): IF C3<-1 THEN 390: C4=11-C3: GOTO 400
390 C4=0
400 CONVERT C4 TO STR(C#,5,1),(#): RETURN
410 DEFFN '20 : INIT(FF)Q#(): FOR I=1 TO A: INIT("9")STR(Q#(I),35,1): N
EXT I: FOR I=1 TO A: PRINT HEX(03): GOSUB '242(5,HEX(0A)): PRINT "CUST
OMER'S CODE :";C#:" SEQUENCE NO.":1
420 Z=0: INIT(20) V1#,V2#,I1#,I2#,B2#,C2#,T2#,D1#,D2#,M2#,N2#,S2#
430 GOSUB '243("Invoice No.,or 0 to terminate",4): V2#=Q6#2: IF V2# ="
0" THEN 550: CONVERT V2# TO Q9: PACK(####) V1# FROM Q9: PRINT HEX(01):
GOSUB '242(6,HEX(0A)): PRINT Z#(1);V2#: IF Z<>0 THEN 520
440 U8#="Invoice Date as MM/DD/YY": GOSUB '23: I1#=X2#: PRINT HEX(01)
: GOSUB '242(7,HEX(0A)): PRINT Z#(2);U9#: IF Z<>0 THEN 520
450 GOSUB '243("Bank-Code",9): B2#=Q6#: PRINT HEX(01): GOSUB '242(8,H
EX(0A)): PRINT Z#(3);B2#: IF Z<>0 THEN 520
460 GOSUB '243("Cheque No.",8): C2#=Q6#: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z#(4);C2#: IF Z<>0 THEN 520
470 GOSUB '243("Type, 0=Other, 1=Owner",1): T2#=Q6#: IF T2#<"0" THEN 4
70: IF T2#="1" THEN 470: PRINT HEX(01): GOSUB '242(10,HEX(0A)): PRINT Z
#(5);T2#: IF Z<>0 THEN 520
480 U8#="Due Date as MM/DD/YY": GOSUB '23: D1#=X2#: PRINT HEX(01): GO
SUB '242(11,HEX(0A)): PRINT Z#(6);U9#: IF Z<>0 THEN 520
490 GOSUB '245("Amount",8,2): IF Q9<=0 THEN 490: PACK(#####) M2#
FROM Q9: PRINT HEX(01): GOSUB '242(12,HEX(0A)): PRINT USING 770,Z#(7):
Q9: IF Z<>0 THEN 520

```

```

500 GOSUB '243("No. of Days" 3); N2%=Q6%; PRINT HEX(01); GOSUB '242(1
3,HEX(0A)); PRINT Z$(8);N2%; IF Z<>0 THEN 520
510 GOSUB '243("Status",1); S2%=Q6%; PRINT HEX(01); GOSUB '242(14,HEX
(0A)); PRINT Z$(9);S2%
520 GOSUB '243("Enter No. To be Correct(1-9),or (0) to exit",1); Z%=Q
6%; IF Z%=" " THEN 520
530 CONVERT Z% TO Z: IF Z=0 THEN 540: IF Z>9 THEN 520: IF Z<1 THEN 52
0: GOSUB '248(Z+5,LEN(Z%(Z)),1): DN Z GOTO 430,440,450,460,470,480,490
500,510
540 GOSUB '24: P=I: GOTO 560
550 P=I-1: I=A
560 NEXT I: U=0: RETURN
570 DEFFN'21: PRINT HEX(03): GOSUB '243("Have any Cheque for this Cus
tomer (Y/N)",1): Z%=Q6%; IF Z%="Y" THEN 580: RETURN CLEAR: GOTO 300
580 RETURN
590 DEFFN'22: PRINT HEX(03): GOSUB '243("Have any Customer to Create
(Y/N)",1): Z%=Q6%; IF Z%="Y" THEN 600: RETURN
600 RETURN CLEAR: GOTO 170
610 DEFFN'23: GOSUB '220(U8%): STR(Y2%,1,2)=STR(U9%,7,2): STR(Y2%,3,2
)=STR(U9%,1,2): STR(Y2%,5,2)=STR(U9%,4,2)
620 CONVERT Y2% TO U9: PACK(#####) X2% FROM U9: RETURN
630 DEFFN'24
640 STR(Q$(1),1,2)=V1%: STR(Q$(1),3,3)=11%: STR(Q$(1),6,9)=B2%: STR(Q
$(1),15,8)=C2%: STR(Q$(1),23,1)=T2%: STR(Q$(1),24,3)=D1%: STR(Q$(1),27
,5)=M2%: STR(Q$(1),32,3)=N2%: STR(Q$(1),35,1)=S2%
650 UNPACK(#####.##)M2% TO M2: IF T2%="0" THEN 660: O2=O2+1: A2=A2
+M2: GOTO 670
660 O1=O1+1: A1=A1+M2
670 C%=HEX(0320): UNPACK(D=C%) B2% TO H%,H1%,H2%: IF H%="1" THEN 680:
IF H%="01" THEN 680: O3=O3+1: A3=A3+M2
680 RETURN
690 DEFFN'25: DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1%,A
1%,T1%,T1()
700 T1(1)=T1(1)+O1: T1(2)=T1(2)+A1: T1(3)=T1(3)+O2: T1(4)=T1(4)+A2: T
1(5)=T1(5)+O3: T1(6)=T1(6)+A3
710 DBACKSPACE #1,1S: DATA SAVE DC #1,N1%,A1%,T1%,T1(): DATA SAVE DC
#1,END
720 DATA LOAD DC OPEN T#2,"CHQ1F020": IF C=1 THEN 730: DSKIP #2,(C-1)
S
730 DATA LOAD DC #2,C%,N%,A%,T%,B%,S%,E,R%,L%,Y%,T()
740 T(1)=T(1)+O1: T(2)=T(2)+A1: T(3)=T(3)+O2: T(4)=T(4)+A2: T(5)=T(5)
+O3: T(6)=T(6)+A3
750 DBACKSPACE #2,1S: DATA SAVE DC #2,C%,N%,A%,T%,B%,S%,E,R%,L%,Y%,T(
)
760 O1,O2,O3=0: A1,A2,A3=0: RETURN
770 Z##### ##,###,###.##

```



## MAINTN30

```

5 LOAD DC T#6,"SUBDATE" 1005,1580
100 REM MAINTN30 06/25/78 MAINTAIN CUSTOMER CHEQUE FILE
110 DIM N1#45,A1#45,T1#15,T1(6): DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5
L#1,Y#2,T(10): DIM Q$(69)35
120 DIM V1#2,I1#3,B2#9,C2#8,T2#1,D1#3,M2#5,N2#3,S2#1,V2#4,X2#3,Y2#6,Z
$1,Z$(9)19,C#2,H#2,H1#3,H2#2: DIM B3#9,T3#1: DIM L$(69)2,P#1
130 A=69: RESTORE : MAT READ Z$
140 GOSUB '1: PRINT HEX(030A);TAB(10);"MAINTAIN CUSTOMER CHEQUE FILE"
: PRINT TAB(5);"(1) = Modify Old Cheque": PRINT TAB(5);"(2) = More Che
que Addition": PRINT TAB(5);"(3) = Start to Menu"
150 PRINT : INPUT "Enter the No. for Selected Job",X5: IF X5=1THEN 16
0: IF X5=2THEN 160: IF X5=3THEN 350: GOTO 140
160 PRINT HEX(03): GOSUB '243("Customer's Code or NNNNN to terminate"
,5): C#Q6$: IF LEN(C#)<>5 THEN 160: IF C#="NNNNN" THEN 140: GOSUB '4:
PRINT HEX(01): GOSUB '242(5,HEX(0A)): PRINT "CUSTOMER CODE: ";C#: ON
X5GOTO 170,240
170 GOSUB '243("Enter Wrong Cheque No.",8): C2#Q6$
180 DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4,"CHQ1F040
": CONVERT STR(C#,1,4)TO C: IF C=1THEN 190: DSKIP #3,(C-1)*10S
190 B=3: DATA LOAD DC #B,C#,P,U,Q$( )
200 INIT(FF)L$( ): MAT SEARCH Q$( )<15,2401>:=C2#TO L$( )STEP 35: IF L$(1
)<>HEX(0000)THEN 210: IF U=0THEN 160: B=4: G1=U: DATA LOAD DA T#4,(G1,
C2)C#,P,U,Q$( ): GOTO 200
210 FOR J=1TO A: IF L$(J)<>HEX(0000)THEN 220: J=A: GOTO 230
220 I=VAL(L$(J))*256+VAL(STR(L$(J),2,1)): I=(I-1)/35+1: GOSUB '20(I):
GOSUB '26
230 NEXT J: DBACKSPACE #B,10S: DATA SAVE DC #B,C#,P,U,Q$( ): GOTO 160
240 DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4,"CHQ1F040"
: CONVERT STR(C#,1,4)TO C: IF C=1THEN 250: DSKIP #3,(C-1)*10S
250 B=3: DATA LOAD DC #B,C#,P,U,Q$( ): IF P=ATHEN 260: GOTO 270
260 IF U=0THEN 320: B=4: G1=U: DATA LOAD DA T#B,(G1,C2)C#,P,U,Q$( ): IF
P=ATHEN 260
270 P#="9": INIT(FF)L$( ): MAT SEARCH Q$( )<35,2381>:=P#TO L$( )STEP 35
280 FOR J=1TO A: IF L$(J)<>HEX(0000)THEN 290: J=A: GOTO 310
290 P=P+1: V=VAL(L$(J))*256+VAL(STR(L$(J),2,1)): V=(V-1)/35+1: GOSUB '
20(V): GOSUB '24
300 PRINT HEX(03): GOSUB '243("More Cheque for This Customer?(Y/N)",1
): Z#Q6$: IF Z#="Y"THEN 310: J=A
310 NEXT J: DBACKSPACE #B,10S: DATA SAVE DC #B,C#,P,U,Q$( ): GOSUB '25:
IF Z#="Y"THEN 260: GOTO 160
320 LIMITS T#4,"CHQ1F040",X,Y,Z: U=X+Y-2: IF B=4THEN 330: DBACKSPACE #
3,10S: DATA SAVE DC #3,C#,P,U,Q$( ): GOTO 340
330 DATA SAVE DA T#4,(G1,C2)C#,P,U,Q$( )
340 U=0: P=0: INIT(FF)Q$( ): FOR I=1TO A: INIT("9")STR(Q$(I),35,1): NEX
T I: DATA LOAD DC OPEN T#4,"CHQ1F040": DSKIP #4,END: DATA SAVE DC #4,C
#,P,U,Q$( ): DATA SAVE DC #4,END: DSKIP #4,END: B=4: GOTO 270
350 LOAD DC T#6,"MENU1"
360 DATA "(1) Invoice No. :","(2) Invoice Date :","(3) Bank-Code :
","(4) Cheque No. :","(5) Type :","(6) Due Date :","(7) Amount :","
","(8) No. of Days :","(9) Status :":
370 DEFFN'1: SELECT PRINT 005(64): RETURN
380 DEFFN'4: C2=0
390 FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
400 C3=C2-(INT(C2/11)*11): IF C3<=1THEN 410: C4=11-C3: GOTO 420
410 C4=0
420 CONVERT C4 TO Z$(,): IF Z#=STR(C#,5,1)THEN 430: RETURN CLEAR: GOT
O 160
430 RETURN
440 DEFFN'20(I): Z=0: IF X5=1THEN 450: GOTO 590
450 V1#STR(Q$(I),1,2): I1#STR(Q$(I),3,3): B2#STR(Q$(I),6,9): C2#S
TR(Q$(I),15,8): T2#STR(Q$(I),23,1): D1#STR(Q$(I),24,3): M2#STR(Q$(I
),27,5): N2#STR(Q$(I),32,3): S2#STR(Q$(I),35,1)
460 UNPACK(####) V1# TO Q9: CONVERT Q9 TO V2$(,####): PRINT HEX(01):
GOSUB '242(6,HEX(0A)): PRINT Z$(1);V2$
470 UNPACK(#####) I1# TO Q9: CONVERT Q9 TO Y2$(,#####): U9#"---/--/
---": STR(U9#,1,2)=STR(Y2#,3,2): STR(U9#,4,2)=STR(Y2#,5,2): STR(U9#,7,2
)=STR(Y2#,1,2)
480 PRINT HEX(01): GOSUB '242(7,HEX(0A)): PRINT Z$(2);U9$

```



```

490 PRINT HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z$(3);B2$: B3%=B2$
500 PRINT HEX(01): GOSUB '242(9,HEX(0A)): PRINT Z$(4);C2$
510 PRINT HEX(01): GOSUB '242(10,HEX(0A)): PRINT Z$(5);T2: T3%=T2$
520 UNPACK(#####) D1$ TO Q9: CONVERT Q9 TO Y2$, (#####): U9$="---/---/
---": STR(U9$,1,2)=STR(Y2$,3,2): STR(U9$,4,2)=STR(Y2$,5,2): STR(U9$,7,2
)=STR(Y2$,1,2)
530 PRINT HEX(01): GOSUB '242(11,HEX(0A)): PRINT Z$(6);U9$
540 UNPACK(#####.##)M2$ TO M2: PRINT HEX(01): GOSUB '242(12,HEX(0A)
): PRINT USING 940,Z$(7);M2
550 PRINT HEX(01): GOSUB '242(13,HEX(0A)): PRINT Z$(8);N2$
560 PRINT HEX(01): GOSUB '242(14,HEX(0A)): PRINT Z$(9);S2$
570 GOSUB '243("Enter No. To be Correct(1-9), or (0) to exit",1): Z#=0
6$: IF Z#=" " THEN 570
580 CONVERT Z$ TO Z: IF Z=0 THEN 680: IF Z>9 THEN 570: IF Z<1 THEN 57
0: GOSUB '248(Z+5,LEN(Z$(Z)),1): ON Z GOTO 590,600,610,620,630,640,650
,660,670
590 GOSUB '243("Invoice No.",4): V2%=Q6$: CONVERT V2$ TO Q9: PACK(####
)V1$ FROM Q9: PRINT HEX(01): GOSUB '242(6,HEX(0A)): PRINT Z$(1);V2$: IF
Z<>0 THEN 570
600 U8$="Invoice Date as MM/DD/YY": GOSUB '23: I1%=X2$: PRINT HEX(01)
: GOSUB '242(7,HEX(0A)): PRINT Z$(2);U9$: IF Z<>0 THEN 570
610 GOSUB '243("Bank-Code",9): B3%=Q6$: PRINT HEX(01): GOSUB '242(8,H
EX(0A)): PRINT Z$(3);B3$: IF Z<>0 THEN 570
620 GOSUB '243("Cheque No.",8): C2%=Q6$: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(4);C2$: IF Z<>0 THEN 570
630 GOSUB '243("Type, 0=Other, 1=Owner",1): T3%=Q6$: IF T3%<"0" THEN
630: IF T3%>"1" THEN 630: PRINT HEX(01): GOSUB '242(10,HEX(0A)): PRINT
Z$(5);T3$: IF Z<>0 THEN 570
640 U8$="Due Date as MM/DD/YY": GOSUB '23: D1%=X2$: PRINT HEX(01): GO
SUB '242(11,HEX(0A)): PRINT Z$(6);U9$: IF Z<>0 THEN 570
650 GOSUB '245("Amount",8,2): IF Q9<=0 THEN 650: M3=Q9: PACK(#####.
##) M2$ FROM M3: PRINT HEX(01): GOSUB '242(12,HEX(0A)): PRINT USING 940
Z$(7);M3: IF Z<>0 THEN 570
660 GOSUB '243("No. of Days",3): N2%=Q6$: PRINT HEX(01): GOSUB '242(1
3,HEX(0A)): PRINT Z$(8);N2$: IF Z<>0 THEN 570
670 GOSUB '243("Status",1): S2%=Q6$: PRINT HEX(01): GOSUB '242(14,HEX
(0A)): PRINT Z$(9);S2$: GOTO 570
680 STR(Q$(1),1,2)=V1$: STR(Q$(1),3,3)=I1$: STR(Q$(1),6,9)=B3$: STR(Q
$(1),15,8)=C2$: STR(Q$(1),23,1)=T3$: STR(Q$(1),24,3)=D1$: STR(Q$(1),27
,5)=M2$: STR(Q$(1),32,3)=N2$: STR(Q$(1),35,1)=S2$
690 RETURN
700 DEFFN'23: GOSUB '220(U8$): STR(Y2$,1,2)=STR(U9$,7,2): STR(Y2$,3,2
)=STR(U9$,1,2): STR(Y2$,5,2)=STR(U9$,4,2)
710 CONVERT Y2$ TO U9: PACK(#####) X2$ FROM U9: RETURN
720 DEFFN'24: UNPACK(#####.##)M2$ TO M3: IF T3%="0" THEN 730: O2=O2+1
: A2=A2+M3: GOTO 740
730 O1=O1+1: A1=A1+M3
740 C$=HEX(032D): $UNPACK(D=C$)B3$ TO H$,H1$,H2$: IF H$="1" THEN 750: IF
H$="01" THEN 750: O3=O3+1: A3=A3+M3
750 RETURN
760 DEFFN'25: DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1$,A
1$,T1$,T1( )
770 T1(1)=T1(1)+O1: T1(2)=T1(2)+A1: T1(3)=T1(3)+O2: T1(4)=T1(4)+A2: T
1(5)=T1(5)+O3: T1(6)=T1(6)+A3
780 DBACKSPACE #1,19: DATA SAVE DC #1,N1$,A1$,T1$,T1( ): DATA SAVE DC
#1,END
790 DATA LOAD DC OPEN T#2,"CHQ1F020": IF C=1 THEN 800: DSKIP #2,(C-1)
S
800 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T( )
810 T(1)=T(1)+O1: T(2)=T(2)+A1: T(3)=T(3)+O2: T(4)=T(4)+A2: T(5)=T(5)
+O3: T(6)=T(6)+A3
820 DBACKSPACE #2,19: DATA SAVE DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(
)
830 O1,O2,O3=0: A1,A2,A3=0: RETURN
840 DEFFN'26: DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1$,A
1$,T1$,T1( )
850 DATA LOAD DC OPEN T#2,"CHQ1F020": IF C=1 THEN 860: DSKIP #2,(C-1)
S

```

```
850 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(
870 IF B2=B3 THEN 890: C$=HEX(032D): $UNPACK(D=C$)B3$TO H$,H1$,M2$: I
F H$="1" THEN 880: IF H$="01" THEN 880: T(5)=T(5)+1: T(6)=T(6)+M3: T1(5)
=T1(5)+1: T1(6)=T1(6)+M3: GOTO 890
880 T(5)=T(5)-1: T(6)=T(6)-M2: T1(5)=T1(5)-1: T1(6)=T1(6)-M2
890 IF T2=T3 THEN 910: IF T3="0" THEN 900: T(3)=T(3)+1: T(4)=T(4)+M3
: T(1)=T(1)-1: T(2)=T(2)-M2: T1(3)=T1(3)+1: T1(4)=T1(4)+M3: T1(1)=T1(1)
)-1: T1(2)=T1(2)-M2: GOTO 910
900 T(3)=T(3)-1: T(4)=T(4)-M2: T(1)=T(1)+1: T(2)=T(2)+M3: T1(3)=T1(3)-
1: T1(4)=T1(4)+M2: T1(1)=T1(1)+1: T1(2)=T1(2)+M2
910 DBACKSPACE #1,15: DATA SAVE DC #1,N1$,A1$,T1$,T1(): DATA SAVE DC #
1,END
920 DBACKSPACE #2,15: DATA SAVE DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(
)
930 RETURN
940 Z##### ##,###,###.##
```



## โปรแกรม CREATE60

```
5 LOAD DC T#6,"SUBDATE" 1005,1580
100 REM CREATE60 06/25/78 CREATE RETURNED CHEQUE FILE
110 DIM Q1$(5)48,R2$8,Z$(3)23,Z#1,C2$8: DIM Q$(69)35,L$(1)2
120 DIM C$5,N$45,A$45,T$15,B$15,S$10,R$5,L$1,Y$2,T(10)
130 A=69: RESTORE : MAT READ Z$
140 GOSUB '1: PRINT HEX(030A);TAB(10);"CREATE RETURNED CHEQUE FILE":
PRINT TAB(5);"(1)= First Creation (Use once only)": PRINT TAB(5);"(2)=
Continue Creation "
150 PRINT : INPUT "Enter the No. for Selected Job",X5: IF X5=1 THEN 1
60: IF X5=2 THEN 300: GOTO 140
160 DATA SAVE DC OPEN T#5,202,"CHQ1F060": INIT("**")STR(Q1$(1),36,1):
DATA SAVE DC #5,Q1$(): DATA SAVE DC #5,END
170 Z=0: PRINT HEX(03);TAB(10);"RETURN CHQUE FILE CREATION";"( ";X5;" )
180 GOSUB '243("Customer's Code of Return Cheque, or NNNNN to termina
te",5): C$=Q6$: IF LEN(C$)>5 THEN 180: IF C$="NNNNN" THEN 290: GOSUB '4
: PRINT HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z$(1);C$: IF Z<>0 THEN 21
0
190 GOSUB '243("Cheque No.",8): C2$=Q6$: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(2);C2$: IF Z<>0 THEN 210
200 GOSUB '220("Bank-Return Date as MM/DD/YY"): R2$=U9$: PRINT HEX(01
): GOSUB '242(10,HEX(0A)): PRINT Z$(3);R2$
210 GOSUB '243("Enter No. To be Correct(1-3),or (0) to exit",1): Z#=Q
6$: IF Z#=" " THEN 210
220 CONVERT Z$ TO Z: IF Z=0 THEN 230: IF Z>3 THEN 210: IF Z<1 THEN 21
0: GOSUB '242(Z+7,LEN(Z$(Z)),1): ON Z GOTO 180,190,200
230 DATA LOAD DC OPEN T#3,"CHQ1F030": CONVERT STR(C$,1,4) TO C: IF C=
1 THEN 240: DSKIP #3,(C-1)*105
240 DATA LOAD DC #3,C$,P,U,Q$( )
250 INIT(FF)L$(1): MAT SEARCH Q$( )<15,2401>:=C2$ TO L$( ) STEP 35: IF
L$(1)<>HEX(0000) THEN 280
260 IF U=0 THEN 270: G1=U: DATA LOAD DA T#4,(G1,G2)C$,P,U,Q$( ): GOTO
250
270 PRINT HEX(0307070707);"Not find Cheque No.": SELECT P9: PRINT : S
ELECT P: GOTO 170
280 I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1: GOSUB '5: GOS
UB '6: GOTO 170
290 LOAD DC T#6,"MENU1"
300 DATA LOAD DC OPEN T#5,"CHQ1F060": GOTO 170
310 DATA "(1) Customer's Code :","(2) Cheque No. :","(3) Bank-Return
Date :":
320 DEFFN '1: SELECT PRINT 005(64): RETURN
330 DEFFN '4: C2=0
340 FOR J=1 TO 4: CONVERT STR(C$,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
350 C3=C2-(INT(C2/11)*11): IF C3<=1 THEN 360: C4=11-C3: GOTO 370
360 C4=0
370 CONVERT C4 TO Z#,(#): IF Z#=STR(C$,5,1) THEN 380: RETURN CLEAR: GOT
O 180
380 RETURN
390 DEFFN '5: DSKIP #5,END: DBACKSPACE #5,18: DATA LOAD DC #5,Q1$( )
400 FOR J=1 TO 5: IF STR(Q1$(J),36,1)<>"*" THEN 420
410 K=J: STR(Q1$(J),1,35)=Q$(1): STR(Q1$(J),36,5)=C$: STR(Q1$(J),41,8
)=R2$: IF J=5 THEN 420: INIT("**")STR(Q1$(J+1),36,1): J=5
420 NEXT J
430 DBACKSPACE #5,18: DATA SAVE DC #5,Q1$(): DATA SAVE DC #5,END: IF
K<>5 THEN 440: INIT(20)Q1$(): INIT("**")STR(Q1$(1),36,1): DSKIP #5,END:
DATA SAVE DC #5,Q1$(): DATA SAVE DC #5,END
440 RETURN
450 DEFFN '6: LINPACK(#####.##)STR(Q$(1),27,5) TO M: DATA LOAD DC OPEN
T#2,"CHQ1F020": CONVERT STR(C$,1,4) TO C: IF C=1 THEN 460: DSKIP #2,(C-
1)*5
460 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T( ): T(9)=T(9)+1: T(1
0)=T(10)+M
470 DBACKSPACE #2,18: DATA SAVE DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T( )
: RETURN
```



## โปรแกรม CREATE

```
10 REM CREATE 06/25/78 CREATE ACCOUNTING FILE AND OTHERS FILE
20 DIM D#8,M1(31,5),Z#1
30 GOSUB '1: PRINT HEX(030A);TAB(10);"SYSTEM NOW CREATE ACCOUNTING FI
LE AND OTHERS FILE"
40 INPUT "POST DATE AS MM/DD/YY",D#
50 INPUT "DEBIT BALANCE FOR CHEQUE LEDGER",M1
60 INPUT "DEBIT BALANCE FOR RETURN LEDGER",M2
70 INPUT "Is Data OK?(Y/N)",Z#: IF Z#="Y" THEN 80: IF Z#="N" THEN 30:
GOTO 70
80 MAT M1=ZER: DATA SAVE DC OPEN T#5,8,"ACCTFILE": DATA SAVE DC #5,D#
,M1,M2,M1(): DATA SAVE DC #5,END
90 DATA SAVE DC OPEN T#5,3,"CHQ1F050": DATA SAVE DC #5,END
100 DATA SAVE DC OPEN T#5,502,"CHQ1F051": DATA SAVE DC #5,END
110 DATA SAVE DC OPEN T#5,102,"CHQ1F061": DATA SAVE DC #5,END
120 DATA SAVE DC OPEN T#5,202,"CHQ1F070": DATA SAVE DC #5,END
130 DATA SAVE DC OPEN T#5,202,"CHQ1F071": DATA SAVE DC #5,END
140 LOAD DC T#6,"MENU1"
150 DEFFN'1: SELECT PRINT 005(64): RETURN
```



## โปรแกรม MENU2

```

10  REM MENU2 06/25/78 DAILY WORK MODULE
20  DIM Z%(2)32,Z%64,Y%64: INIT(28)Z%()
30  SELECT PRINT 005(64): PRINT HEX(03);TAB(20);" W A N G "
40  PRINT Z%(1);Z%(2): PRINT TAB(5);"FUNCTION KEYS";TAB(25);"FUNCTION
DESCRIPTION": PRINT Z%(1);Z%(2)
50  PRINT TAB(5);"00.....";HEX(20);"Daily Reset"
60  PRINT TAB(5);"01.....";HEX(20);"Normal Discount Cheque"
70  PRINT TAB(5);"02.....";HEX(20);"Postponed (Old Cheque)"
80  PRINT TAB(5);"03.....";HEX(20);"Postponed (New Cheque)"
90  PRINT TAB(5);"04.....";HEX(20);"Returned Discount Cheque

100 PRINT TAB(5);"05.....";HEX(20);"Payment for Returned Ch
eque"
110 PRINT TAB(5);"06.....";HEX(20);"Returned Cheque from Ba
nk"
120 PRINT TAB(5);"07.....";HEX(20);"Redeposited Cheque "
130 PRINT TAB(5);"08.....";HEX(20);"Collectable Cheque "
140 PRINT TAB(5);"15.....";HEX(20);"System Menu"
150 GOTO 360
160 DEFFN'0: COSUB '250("SYSTEM NOW LOADING","DAILY RESET ROUTINE");
LOAD DC T#6,"DAILYSET"
170 DEFFN'1: COSUB '250("SYSTEM NOW LOADING","NORMAL DISCOUNT CHEQUE"
): LOAD DC T#6,"INVOICE1"
180 DEFFN'2: COSUB '250("SYSTEM NOW LOADING","POSTPONED BY OLD CHEQUE
"): LOAD DC T#6,"INVOICE2"
190 DEFFN'3: COSUB '250("SYSTEM NOW LOADING","POSTPONED BY NEW CHEQUE
"): LOAD DC T#6,"INVOICE3"
200 DEFFN'4: COSUB '250("SYSTEM NOW LOADING","RETURNED DISCOUNT CHEQU
E"): LOAD DC T#6,"INVOICE4"
210 DEFFN'5: COSUB '250("SYSTEM NOW LOADING","PAYMENT FOR RETURNED CH
EQUE"): LOAD DC T#6,"RETURN1"
220 DEFFN'6: COSUB '250("SYSTEM NOW LOADING","RETURNED CHEQUE FROM BA
NK"): LOAD DC T#6,"RETURN2"
230 DEFFN'7: COSUB '250("SYSTEM NOW LOADING","REDEPOSITED CHEQUE "):
LOAD DC T#6,"RETURN3"
240 DEFFN'8: COSUB '250("SYSTEM NOW LOADING","COLLECTABLE CHEQUE "):
LOAD DC T#6,"PAYMENT1"
250 DEFFN'9: A$="09": GOTO 350
260 DEFFN'10: A$="10": GOTO 350
270 DEFFN'11: A$="11": GOTO 350
280 DEFFN'12: A$="12": GOTO 350
290 DEFFN'13: A$="13": GOTO 350
300 DEFFN'14: A$="14": GOTO 350
310 DEFFN'15: COSUB '250("SYSTEM NOW LOADING","SYSTEM MENU"); LOAD DC
T#6,"MENU"
320 DEFFN'250(Y%,Z%): PRINT HEX(030A0A0A0A0A): COSUB 340: COSUB '251(
9,55): COSUB '251(8,56): PRINT TAB(8);HEX(81);TAB((64-LEN(Y%))/2);Y%;T
AB(56);HEX(81): PRINT TAB(8);HEX(81);TAB((64-LEN(Z%))/2);Z%;TAB(56);HE
X(81): COSUB '251(8,56): COSUB '251(9,55): COSUB 340: RETURN
330 DEFFN'251(S,T): PRINT TAB(S);HEX(81);TAB(T);HEX(81): RETURN
340 PRINT TAB(10);: FOR S=1 TO 29: PRINT HEX(8120);: NEXT S: PRINT : R
ETURN
350 RETURN CLEAR: PRINT HEX(0707070707);"FUNCTION KEY";HEX(2020);A$;"
UNDEFINED !!!": PRINT HEX(0C0C0C)
360 REM

```

## DAILYSET

```

10 REM DAILYSET 06/25/78 DAILY RESET
20 DIM Z$(1): DIM C$(2),V$(2),I$(2),B$(2),C$(2),T$(2),D$(2)
30 DIM C#5,Q$(69),S,Q$(69),A(10): A=69
40 GOSUB '1: PRINT HEX(030A):TAB(10):"DAILY RESET": PRINT TAB(5):"(1)
= Set Invoice No.(Option)": PRINT TAB(5):"(2) = File Purge(Everuyday)"
50 PRINT TAB(5):"(3) = Update External File(Option)": PRINT TAB(5):"(
4) = Update Cheque File(Saturday)": PRINT TAB(5):"(5) = Start to Menu"
60 PRINT : INPUT "Enter the No. for Selected Job",X5: IF X5<1THEN 40:
IF X5>5THEN 40: IF X5<>INT(X5)THEN 40: ON X5GOTO 70,100,150,210,330
70 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA LOAD DC #5,V: PRINT HEX(030A)
:TAB(10):"LAST INVOICE NO. = ":V: INPUT "LAST INVOICE NO.",V
80 INPUT "Is Data OK?(Y/N)",Z$: IF Z$="Y"THEN 90: IF Z$="N"THEN 70: G
OTO 80
90 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA SAVE DC #5,V: DATA SAVE DC
#5,END: GOTO 40
100 PRINT HEX(030A):TAB(10):"SYSTEM NOW PURGING FILE": STOP
110 C$(1)="*": DATA LOAD DC OPEN T#5,"CHQ1F051": DATA SAVE DC #5,C$(
),V$( ),I$( ),B$( ),C$( ),T$( ),D$( ),M( ),N( ),D( ),B( ),S$( ),M9( ): DATA
SAVE DC #5,END
120 STR(Q1$(1),36,1)="*": DATA LOAD DC OPEN T#5,"CHQ1F061": DATA SAVE
DC #5,Q1$( ): DATA SAVE DC #5,END
130 STR(Q2$(1),36,1)="*": DATA LOAD DC OPEN T#5,"CHQ1F070": DATA SAVE
DC #5,Q2$( ): DATA SAVE DC #5,END
140 DATA LOAD DC OPEN T#5,"CHQ1F071": DATA SAVE DC #5,Q2$( ): DATA SAV
E DC #5,END: GOTO 40
150 PRINT HEX(030A):TAB(10):"UPDATE EXTERNAL FILE": LIMITS T#4,"CHQ1F0
40",X,Y,Z: PRINT "EXTERNAL FILE REMAIN = ":(3002-Z):" SECTOR"
160 INPUT "Do You want to update external file?(Y/N)",Z$: IF Z$="Y"THE
N 170: IF Z$="N"THEN 40: GOTO 150
170 G3=X: G2=X+Z-12: DATA LOAD DC OPEN T#4,"CHQ1F040"
180 G1=G3: DATA LOAD DA T#4,(G1,G3)C$,P,U: IF ENDTHE 40: IF P<>0THEN
180: COSUB '25(G1,U)
190 DATA LOAD DA T#4,(G2,G4)C$,P,U,Q$( ): IF P<>0THEN 200: COSUB '25(G2
,U): DATA SAVE DA T#4,(G2,G4)END: G2=G2-10: GOTO 190
200 DATA SAVE DA T#4,(G1,G4)C$,P,U,Q$( ): COSUB '25(G2,G1): DATA SAVE
DA T#4,(G2,G4)END: G2=G2-10: GOTO 180
210 PRINT HEX(030A):TAB(10):"UPDATE CHEQUE FILE"
220 DATA LOAD DC OPEN T#3,"CHQ1F030"
230 MAT A=ZER: DATA LOAD DC #3,C$,P,U: IF ENDTHE 320: A(1)=U
240 FOR K=2 TO 10: IF U<>0THEN 250: B=K-1: K=10: GOTO 260
250 G1=U: DATA LOAD DA T#4,(G1,G2)C$,P,U: A(K)=U
260 NEXT K
270 J=0: K=0: INIT(FF)Q9$( ): DBACKSPACE #3,10S: DATA LOAD DC #3,C$,P,
U,Q$( ): COSUB '21: IF A(1)=0THEN 290
280 FOR M=2 TO B: G1=A(M-1): DATA LOAD DA T#4,(G1,G2)C$,P,U,Q$( ): COS
UB '21: NEXT M: IF J=A THEN 300
290 GOSUB '22
300 IF K=B THEN 230: INIT(FF)Q$( ): FOR I=1 TO A: STR(Q$(I),35,1)="9":
NEXT I: P=0
310 FOR N=K+1 TO B: U=A(N): G1=A(N-1): DATA SAVE DA T#4,(G1,G2)C$,P,U
,Q$( ): NEXT N: GOTO 230
320 GOTO 150
330 LOAD DC T#6,"MENU2"
340 DEFFN '1: SELECT PRINT 005(64): RETURN
350 DEFFN '21: FOR I=1 TO A: IF STR(Q$(I),35,1)="9" THEN 360: J=J+1:
Q9$(J)=Q$(I): IF J<A THEN 360: GOSUB '22
360 NEXT I: RETURN
370 DEFFN '22: K=K+1: P=J: U=A(K): IF K>1THEN 380: DBACKSPACE #3,10S:
DATA SAVE DC #3,C$,P,U,Q9$( ): GOTO 390
380 G1=A(K-1): DATA SAVE DA T#4,(G1,G2)C$,P,U,Q9$( )
390 J=0: INIT(FF)Q9$( ): RETURN
400 DEFFN '25(G5,U5): REM PUT U5 IN THE PRESUCCESSOR OF FILE #3 OR #4
410 CONVERT STR(C$,1,4)TO C: DATA LOAD DC OPEN T#3,"CHQ1F030": IF C=1T
HEN 420: DSKIP #3,(C-1)*10 S
420 DATA LOAD DC #3,C$,P,U,Q$( ): F=3
430 IF U=G5THEN 440: G6=U: DATA LOAD DA T#4,(G6,G3)C$,P,U,Q$( ): F=4: G
OTO 430
440 U=U5: DBACKSPACE #F,10S: DATA SAVE DC #F,C$,P,U,Q$( ): RETURN

```



## INVOICE1

```

5   LOAD DC T#6 "SUBDATE" 1005.2230
100 REM INVOICE1 06/25/78 NORMAL DISCOUNT CHEQUE
110 DIM N1#45,A1#45,T1#15,T1(6): DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5
111 L#1,Y#2,T1(10): DIM Q#(69)35
120 DIM C#(2)5,V2#(2)4,I2#(2)8,B2#(2)9,C2#(2)8,T2#(2)1,D2#(2)8,M(2),N
(2),D(2),B(2),S2#(2)1,M9(2): DIM P#1,L#(69)2
130 DIM V1#2,I1#3,B2#9,C2#8,T2#1,S2#1,V2#4,I2#8,D2#8: DIM Z#1,Z#(5)23
,C#2,H#2,H1#3,H2#2,X2#3,Y2#6
140 A=69: RESTORE : MAT READ Z#
150 GOSUB '1: PRINT HEX(03): GOSUB '220("Today's Date as MM/DD/YY"):
I2#=U9#: I9=U9: PRINT HEX(01): GOSUB '242(5,HEX(0A)): PRINT "Today's D
ate as MM/DD/YY": I2#
160 GOSUB '243("Is Today's Date O.K.? (Y/N)",1): Z#=Q6#: IF Z#="Y"THE
N 170: IF Z#="N"THEN 150: GOTO 160
170 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA LOAD DC #5, V
180 GOSUB '1: PRINT HEX(03):TAB(10):"NORMAL DISCOUNT CHEQUE"
190 GOSUB '243("CUSTOMER'S CODE ,or NNNNN to terminate",5): C#=Q6#: IF
LEN(C#)<>5THEN 190: IF C#="NNNNN"THEN 560: GOSUB '4: PRINT HEX(01): G
OSUB '242(5,HEX(0A)): PRINT "CUSTOMER'S CODE: ";C#
200 GOSUB '243("Is Customer's Code O.K.? (Y/N)",1): Z#=Q6#: IF Z#="Y"
THEN 210: IF Z#="N"THEN 180: GOTO 200
210 DATA LOAD DC OPEN T#2,"CHQ1F020": CONVERT STR(C#,1,4) TO C: IF C=
1THEN 220: DSKIP #2,(C-1)S
220 DATA LOAD DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(): CONVERT R# TO R
9: CONVERT Y#TO Y9: V=V+1: CONVERT V TO V2#,(###)
230 Z=0
240 GOSUB '243("Bank-Code ,or 0 to End of this Customer",9): B2#=Q6#:
IF B2#="0" THEN 490: PRINT HEX(01): GOSUB '242(6,HEX(0A)): PRINT Z#(
1):TAB(LEN(Z#(1))+2):B2#: IF Z<>0THEN 290
250 GOSUB '243("Cheque No.",8): C2#=Q6#: PRINT HEX(01): GOSUB '242(7,
HEX(0A)): PRINT Z#(2):TAB(LEN(Z#(2))+2):C2#: IF Z<>0 THEN 290
260 GOSUB '243("Type, 0=Other, 1=Owner",1): T2#=Q6#: IF T2#<"0"THEN 2
60: IF T2#="1"THEN 260: PRINT HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z#
(3):TAB(LEN(Z#(3))+2):T2#: IF Z<>0 THEN 290
270 GOSUB '220("Due Date as MM/DD/YY"): D2#=U9#: D9=U9: PRINT HEX(01)
: GOSUB '242(9,HEX(0A)): PRINT Z#(4):TAB(LEN(Z#(4))+2):D2#: IF Z<>0 TH
EN 290
280 GOSUB '245("Amount",8,2): M=Q9: PRINT HEX(01): GOSUB '242(10,HEX(
0A)): PRINT USING 810,Z#(5),M
290 GOSUB '243("Enter No. To be Correct(1-5),or (0) to exit",1): Z#=Q
6#: IF Z#=" " THEN 290
300 CONVERT Z# TO Z: IF Z=0 THEN 310: IF Z>9 THEN 290: IF Z<1 THEN 29
0: GOSUB '248(Z+5,LEN(Z#(Z)),1): ON Z GOTO 240,250,260,270,280
310 GOSUB '7: IF T2#="0" THEN 320: D2=D2+1: A2=A2+M: GOTO 330
320 O1=O1+1: A1=A1+M
330 REM Calculate number of days : IF I9>=D9THEN 340: GOSUB '27(I9,D9
): N=T: GOTO 350
340 N=2
350 B=0: G#=HEX(032D): $UNPACK(D=C#) B2# TO H#,H1#,H2#: IF H#="1"THEN
370: IF H#="01"THEN 370: N=N+Y9: O3=O3+1: A3=A3+M
360 B=5: IF M<=4000 THEN 370: B=INT(5+(M-4000)*.00125+.5)
370 B0=B0+B: IF L#<>"1"THEN 380: N=N-1
380 IF R9=15THEN 390: D=INT(M*N*INT(R9*10000/360)/1000000+.5): GOTO 40
0
390 D=INT(M*N*INT(R9*10000/360)/1000000+.5)
400 D0=D0+D: M0=M0+M
410 DATA LOAD DC OPEN T#5,"CHQ1F051": DSKIP #5,END: DBACKSPACE #5,1S
: DATA LOAD DC #5,C#(),V2#(),I2#(),B2#(),C2#(),T2#(),D2#(),M(),N(),D()
,B(),S2#(),M9()
420 IF C#(1)="*" THEN 430: IF C#(2)="*" THEN 440: INIT(20)C#(),V2#(),I2
#(),B2#(),C2#(),T2#(),D2#(),S2#(): DSKIP #5,END: J=1: C#(2)="*": GOTO
450
430 DBACKSPACE #5,1S: J=1: C#(2)="*": GOTO 450
440 DBACKSPACE #5,1S: J=2
450 C#(J)=C#: V2#(J)=V2#: I2#(J)=I2#: B2#(J)=B2#: C2#(J)=C2#: T2#(J)=
T2#: D2#(J)=D2#: M(J)=M: N(J)=N: D(J)=D: B(J)=B: S2#(J)="0": M9(J)=0
460 DATA SAVE DC #5,C#(),V2#(),I2#(),B2#(),C2#(),T2#(),D2#(),M(),N(),
D(),B(),S2#(),M9(): DATA SAVE DC #5,END: GOSUB '30

```

```

470  COSUB '50
480  COSUB '248(6,0,10): GOTO 230
490  T(1)=T(1)+01: T(2)=T(2)+A1: T(3)=T(3)+02: T(4)=T(4)+A2: T(5)=T(5)
+03: T(6)=T(6)+A3
500  DBACKSPACE #2,1S: DATA SAVE DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(
)
510  DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1#,A1#,T1#,T1(
)
520  T1(1)=T1(1)+01: T1(2)=T1(2)+A1: T1(3)=T1(3)+02: T1(4)=T1(4)+A2: T
1(5)=T1(5)+03: T1(6)=T1(6)+A3
530  DATA LOAD DC OPEN T#1,"CHQ1F010": DATA SAVE DC #1,N1#,A1#,T1#,T1(
): DATA SAVE DC #1,END
540  COSUB '1: PRINT HEX(030A):"CUSTOMER'S CODE : ":C#: PRINTUSING 82
0,"Total Amount : ",M0: PRINTUSING 820,"Total Discount : ",D0: PRINT
USING 820,"Total Bank Charge : ",B0
550  COSUB '52: 01,02,03=0: A1,A2,A3=0: M0,D0,B0=0: GOTO 180
560  DATA LOAD DC OPEN T#5,"CHQ1F050": DATA SAVE DC #5,V: DATA SAVE DC
#5,END: LOAD DC T#6,"MENU2"
570  DATA "(1) Bank-Code:", "(2) Cheque No.:", "(3) Type:", "(4) Due Date
-MM/DD/YY:", "(5) Amount:"
580  DEFFN '1: SELECT PRINT 005(64): RETURN
590  DEFFN '4: C2=0
600  FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1: C2=C2+C1*(6-J): NEXT J
610  C3=C2-(INT(C2/11)*11): IF C3<=1 THEN 620: C4=11-C3: GOTO 630
620  C4=0
630  CONVERT C4 TO Z#,(#): IF Z#=STR(C#,5,1) THEN 640: RETURN CLEAR: GOT
0 190
640  RETURN
650  DEFFN '7: IF T(2)+T(4)+M0+M>ETHEN 660: RETURN
660  PRINT HEX(070707):"Exceed Credit Limit": RETURN CLEAR: GOTO 240
670  DEFFN '30: DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4
,"CHQ1F040": CONVERT STR(C#,1,4) TO C: IF C=1 THEN 680: DSKIP #3,(C-1)*
10S
680  DATA LOAD DC #3,C#,P,U,Q#(): F=3: IF P=A THEN 690: GOTO 700
690  IF U=0 THEN 750: G1=U: DATA LOAD DA T#4,(G1,G2) C#,P,U,Q#(): F=4:
IF P=A THEN 690
700  P#="9": INIT(FF) L#(): MAT SEARCH Q#(<35,2381>),=P# TO L#() STEP 3
5: IF L#(1)=HEX(0000) THEN 690
710  I=VAL(L#(1))*256+VAL(STR(L#(1),2,1)): I=(I-1)/35+1
720  CONVERT V2# TO Q9: PACK(#####)STR(Q#(1),1,2)FROM Q9: COSUB '23(I2#
): STR(Q#(1),3,3)=X2#: STR(Q#(1),6,9)=B2#: STR(Q#(1),15,8)=C2#: STR(Q#
(1),23,1)=T2#
730  COSUB '23(D2#): STR(Q#(1),24,3)=X2#: PACK(#####)STR(Q#(1),2
7,5)FROM M: CONVERT N TO STR(Q#(1),32,3),(###): STR(Q#(1),35,1)="0"
740  P=P+1: DBACKSPACE #F,10S: DATA SAVE DC #F,C#,P,U,Q#(): RETURN
750  LIMITS T#4,"CHQ1F040",X1,Y1,Z1: U=X1+Z1-2: IF F=4 THEN 760: DBACK
SPACE #3,10S: DATA SAVE DC #3,C#,P,U,Q#(): GOTO 770
760  DATA SAVE DA T#4,(G1,G2) C#,P,U,Q#()
770  U=0: P=0: INIT(FF) Q#(): FOR I=1 TO A: STR(Q#(1),35,1)="9": NEXT I
780  DATA LOAD DC OPEN T#4,"CHQ1F040": DSKIP #4,END: DATA SAVE DC #4,C
#,P,U,Q#(): DATA SAVE DC #4,END: DSKIP #4,END: F=4: GOTO 700
790  DEFFN '23(U9#): STR(Y2#,1,2)=STR(U9#,7,2): STR(Y2#,3,2)=STR(U9#,1,
2): STR(Y2#,5,2)=STR(U9#,4,2)
800  CONVERT Y2# TO U9: PACK(#####)X2#FROM U9: RETURN
810  X##### ##,###,###.##
820  X##### ##,###,###.##

```



## INVOICE2

```

5 LOAD DC T#6,"SUBDATE2" 1005,2230
100 REM INVOICE2 06/25/78 POSTPONE USE OLD CHEQUE
110 DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5,L#1,Y#2,T(10): DIM Q$(69)35
120 DIM I2#8,D2#8,C2#8,Z#1,X2#3,Y2#6,Y2#4,S2#1,L$(1)2:A=69
130 GOSUB '1: PRINT HEX(03): GOSUB '220("Today's Date as MM/DD/YY"):
I2%=U9%: PRINT HEX(01): GOSUB '242(5,HEX(0A)): PRINT "Today's Date as
MM/DD/YY : ";I2%
140 GOSUB '243("Is Today's Date OK?(Y/N)",1): Z%=Q6%: IF Z%="Y"THEN 1
50: IF Z%="N"THEN 130: GOTO 140
150 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA LOAD DC #5,V
160 GOSUB '1: PRINT HEX(03):TAB(10):"POSTPONE (Old Cheque)"
170 GOSUB '243("CUSTOMER'S CODE OR NNNNN to terminate",5): C%=Q6%: IF
LEN(C%)<>5THEN 170: IF C%="NNNNN"THEN 410: GOSUB '4: PRINT HEX(01): GO
SUB '242(6,HEX(0A)): PRINT "Customer's Code : ";C%
180 GOSUB '243("Is Customer's Code OK?(Y/N)",1): Z%=Q6%: IF Z%="Y"THEN
190: IF Z%="N"THEN 170: GOTO 180
190 DATA LOAD DC OPEN T#2,"CHQ1F020": CONVERT STR(C%,1,4)TO C: IF C=1
THEN 200: DSKIP #2,(C-1)S
200 DATA LOAD DC #2,C%,N%,A%,T%,B%,S%,E,R%,L%,Y%,T(): CONVERT R%TO R9
: CONVERT Y%TO Y9: V=V+1: CONVERT VTO V2%,(####)
210 GOSUB '243("Cheque No. or 0 to end of this customer",8): C2%=Q6%:
IF C2%="0"THEN 390: PRINT HEX(01): GOSUB '242(7,HEX(0A)): PRINT "Che
que No. : ";C2%
220 GOSUB '220("Postponed Date as MM/DD/YY"): D2%=U9%: D9=U9: PRINT HE
X(01): GOSUB '242(8,HEX(0A)): PRINT "Postponed Date=MM/DD/YY : ";D2%
230 GOSUB '243("Is Data OK?(Y/N)",1): Z%=Q6%: IF Z%="Y"THEN 240: IF Z%
="N"THEN 210: GOTO 230
240 DATA LOAD DC OPEN T#3,"CHQ1F030": IF C=1THEN 250: DSKIP #3,(C-1)*1
0S
250 DATA LOAD DC #3,C%,P,U,Q%(): F=3
260 INIT(FF)L$(1): MAT SEARCH Q$(1)<15,2401>=C2% TO L$(1)STEP 35: IF L$(
1)<>HEX(0000)THEN 280: IF U=0THEN 270: C1=U: DATA LOAD DA T#4,(C1,C2)C
%,P,U,Q%(): F=4: GOTO 260
270 PRINT HEX(070707):"NOT FIND CHEQUE NO. RE-ENTER ": STOP : GOTO 210
280 I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1
290 PACK(#####)STR(Q$(I),1,2)FROMV: GOSUB '23(IE%): STR(Q$(I),3,3)=X2%
300 UNPACK(#####)STR(Q$(I),24,3)TO U9: CONVERT U9TO Y2%,(#####): U9%
="--/--/--": STR(U9%,1,2)=STR(Y2%,3,2): STR(U9%,4,2)=STR(Y2%,5,2): STR
(U9%,7,2)=STR(Y2%,1,2): GOSUB '221(U9%): I9=U9
310 GOSUB '23(D2%): STR(Q$(I),24,3)=X2%: STR(Q$(I),35,1)="1"
320 GOSUB '27(I9,D9): N=I-1: CONVERT NTO STR(Q$(I),32,3),(###): UNPACK
(#####)STR(Q$(I),27,5)TO M: M0=M0+M
330 IF R9=15THEN 340: D=INT(M*N*INT(R9*10000/360)/1000000+.5): GOTO 35
0
340 D=INT(M*N*INT(R9*10000/360)/10000000+.5)
350 D0=D0+D
360 DBACKSPACE #F,10S: DATA SAVE DC #F,C%,P,U,Q%(): GOSUB '6
370 GOSUB '50
380 GOSUB '248(7,0,9): GOTO 210
390 PRINT HEX(030A):"Customer Code : ";C%: PRINTUSING 540,"Total Amou
nt : ";M0: PRINTUSING 540,"Total Discount : ";D0
400 GOSUB '52: M0,D0=0: GOTO 160
410 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA SAVE DC #5,V: DATA SAVE DC
#5,END: LOAD DC T#6,"MENU2"
420 DEFFN '1: SELECT PRINT 005(64): RETURN
430 DEFFN '4: C2=0
440 FOR J=1 TO 4: CONVERT STR(C%,J,1) TO C1: C2=C2+C1*(6-J): NEXT J
450 C3=C2-(INT(C2/11)*11): IF C3<=1THEN 460: C4=11-C3: GOTO 470
460 C4=0
470 CONVERT C4 TO Z%,(#): IF Z%=STR(C%,5,1)THEN 480: RETURNCLEAR: GOT
O 170
480 RETURN
490 DEFFN '6: DATA LOAD DC OPEN T#2,"CHQ1F020": CONVERT STR(C%,1,4)TO
C: IF C=1THEN 500: DSKIP #2,(C-1)S
500 DATA LOAD DC #2,C%,N%,A%,T%,B%,S%,E,R%,L%,Y%,T(): T(7)=T(7)+1: T(
8)=T(8)+M
510 DBACKSPACE #2,1S: DATA SAVE DC #2,C%,N%,A%,T%,B%,S%,E,R%,L%,Y%,T(
): RETURN
520 DEFFN '23(U9%): STR(Y2%,1,2)=STR(U9%,7,2): STR(Y2%,3,2)=STR(U9%,1,2
): STR(Y2%,5,2)=STR(U9%,4,2)
530 CONVERT Y2%TO U9: PACK(#####)X2%FROMU9: RETURN
540 Z#####

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## INVOICE3

```

5 LOAD DC T#6,"SUBDATE2" 1005,2230
100 REM INVOICE3 06/25/78 POSTPONE USE NEW CHEQUE
110 DIM N1$45,A1$45,T1$15,T1(6): DIM C$5,N$45,A$45,T$15,B$15,S$10,R$5,
L$1,Y$2,T(10): DIM Q$(69)35
120 DIM C$(2)5,V2$(2)4,I2$(2)8,B2$(2)9,C2$(2)8,T2$(2)1,D2$(2)8,M(2),N
(2),D(2),B(2),S2$(2)1,M9(2): DIM P$1,L$(69)2
130 DIM V1$2,I1$3,B2$9,C2$8,T2$1,S2$1,V2$4,I2$8,D2$8: DIM Z$1,Z$(5)23
,C$2,H$2,H1$3,H2$2,X2$3,Y2$6
140 A=69: RESTORE : MAT READ Z$
150 GOSUB '1: PRINT HEX(03): GOSUB '220("Today's Date as MM/DD/YY"):
I2#=U9$: I9=U9: PRINT HEX(01): GOSUB '242(5,HEX(0A)): PRINT "Today's D
ate as MM/DD/YY : ":I2#
160 GOSUB '243("Is Today's Date OK?(Y/N)",1): Z$=Q6$: IF Z$="Y"THEN 1
70: IF Z$="N"THEN 150: GOTO 160
170 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA LOAD DC #5,V
180 GOSUB '1: PRINT HEX(03):TAB(10):"POSTPONE (New Cheque)"
190 GOSUB '243("CUSTOMER'S CODE OR NNNNN to terminate",5): C$=Q6$: IF
LEN(C$)<>5THEN 190: IF C$="NNNNN"THEN 390: PRINT HEX(01): GO
SUB '242(6,HEX(0A)): PRINT "Customer's Code : ":C$
200 GOSUB '243("Is Customer's Code OK?(Y/N)",1): Z$=Q6$: IF Z$="Y"THEN
210: IF Z$="N"THEN 190: GOTO 200
210 DATA LOAD DC OPEN T#2,"CHQ1F020": CONVERT STR(C$,1,4)TO C: IF C=1
THEN 220: DSKIP #2,(C-1)S
220 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(): CONVERT R$TO R9
: CONVERT Y$TO Y9: V=V+1: CONVERT VTO V2$(###)
230 GOSUB '243("Cheque No. (Postpone) or 0 to end of this customer",8):
C2$=Q6$: IF C2$="0"THEN 340: PRINT HEX(01): GOSUB '242(7,HEX(0A)): P
RINT "Old Cheque No. : -":C2$
240 GOSUB '243("Is Data OK?(Y/N)",1): Z$=Q6$: IF Z$="Y"THEN 250: IF Z$
="N"THEN 230: GOTO 240
250 DATA LOAD DC OPEN T#3,"CHQ1F030": IF C=1THEN 260: DSKIP #3,(C-1)*1
0S
260 DATA LOAD DC #3,C$,P,U,Q$(): F=3
270 INIT(FF)L$(1): MAT SEARCH Q$(1)<15,2401>:=C2$ TO L$(1)STEP 35: IF L$(
1)<>HEX(0000)THEN 290: IF U=0THEN 280: G1=U: DATA LOAD DA T#4,(G1,C2)C
$,P,U,Q$(): F=4: GOTO 270
280 PRINT HEX(070707):"NOT FIND CHEQUE NO. RE-ENTER": STOP : GOTO 230
290 I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1
300 B2$=STR(Q$(I),6,9): I2$=STR(Q$(I),23,1): UNPACK(#####.##) STR(
Q$(I),27,5) TO M: M9=M: GOSUB '31(-M,-1)
310 P=P-1: INIT(FF)Q$(I): STR(Q$(I),35,1)="9": DBACKSPACE #F,10S: DAT
A SAVE DC #F,C$,P,U,Q$(): GOSUB '20: GOSUB '30: O4=O4+1: A4=A4+M9
320 GOSUB '50
330 GOSUB '248(7,0,9): GOTO 230
340 T(1)=T(1)+O1: T(2)=T(2)+A1: T(3)=T(3)+O2: T(4)=T(4)+A2: T(5)=T(5)
+O3: T(6)=T(6)+A3: T(7)=T(7)+O4: T(8)=T(8)+A4: DBACKSPACE #2,1S: DATA
SAVE DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T()
350 DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1$,A1$,T1$,T1(1)
360 T1(1)=T1(1)+O1: T1(2)=T1(2)+A1: T1(3)=T1(3)+O2: T1(4)=T1(4)+A2: T
1(5)=T1(5)+O3: T1(6)=T1(6)+A3: DBACKSPACE #1,BEG: DATA SAVE DC #1,N1$,
A1$,T1$,T1()
370 GOSUB '1: PRINT HEX(030A):"CUSTOMER'S CODE : ":C$: PRINTUSING 84
0,"Total Amount : ",M0: PRINTUSING 840,"Total Discount : ",D0: PRINT
USING 840,"Total Bank Charge : ",B0
380 GOSUB '52: O1,O2,O3,O4=0: A1,A2,A3,A4=0: M0,D0,B0=0: GOTO 180
390 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA SAVE DC #5,V: DATA SAVE DC
#5,END: LOAD DC T#6,"MENU2"
400 DATA "(1) Bank-Code:", "(2) New Cheque No.:", "(3) Type:", "(4) Due
Date =MM/DD/YY:", "(5) Amount:"
410 DEFFN'1: SELECT PRINT 005(64): RETURN
420 DEFFN'4: C2=0
430 FOR J=1 TO 4: CONVERT STR(C$,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
440 C3=C2-(INT(C2/11)*11): IF C3<=1THEN 450: C4=11-C3: GOTO 460
450 C4=0
460 CONVERT C4 TO Z$(#): IF Z$=STR(C$,5,1)THEN 470: RETURNCLEAR: GOT
O 190
470 RETURN
480 DEFFN'20: Z=0

```



```

490 GOSUB '243("Bank-Code",9): B2%=Q6%: PRINT HEX(01): GOSUB '242(8,H
EX(0A)): PRINT Z$(1):TAB(LEN(Z$(1))+2):D2%: IF Z<>0 THEN 540
500 GOSUB '243("Cheque No.",8): C2%=Q6%: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(2):TAB(LEN(Z$(2))+2):C2%: IF Z<>0 THEN 540
510 GOSUB '243("Type, 0=Other, 1=Owner",1): T2%=Q6%: IF T2%<"0" THEN 5
10: IF T2%>"1" THEN 510: PRINT HEX(01): GOSUB '242(10,HEX(0A)): PRINT Z
$(3):TAB(LEN(Z$(3))+2):T2%: IF Z<>0 THEN 540
520 GOSUB '220("Due Date as MM/DD/YY"): D2%=U9%: D9=U9: PRINT HEX(01)
: GOSUB '242(11,HEX(0A)): PRINT Z$(4):TAB(LEN(Z$(4))+2):D2%: IF Z<>0 T
HEN 540
530 GOSUB '245("Amount",8,2): M=Q9: PRINT HEX(01): GOSUB '242(12,HEX(
0A)): PRINT USING @40,Z$(5),M
540 GOSUB '243("Enter No. To be Correct(1-5),or (0) to exit",1): Z%=Q
6%: IF Z%=" " THEN 540
550 CONVERT Z% TO Z: IF Z=0 THEN 560: IF Z>9 THEN 540: IF Z<1 THEN 54
0: GOSUB '248(Z+7,LEN(Z$(Z)),1): ON Z GOTO 490,500,510,520,530
560 GOSUB '31(M,1): REM Calculate number of days : IF I9>=D9 THEN 570:
GOSUB '27(I9,D9): N=T: GOTO 580
570 N=2
580 B=0: IF H%="1" THEN 600: IF H%="01" THEN 600: N=N+Y9
590 B=5: IF M<=4000 THEN 600: B=INT(5+(M-4000)*.00125+.5)
600 B0=B0+B: IF M<=M9 THEN 610: IF L%<>"1" THEN 610: N=N-1
610 IF R9=15 THEN 620: D=INT(M*N*INT(R9*10000/360)/1000000+.5): GOTO 6
30
620 D=INT(M*N*INT(R9*10000/360)/1000000+.5)
630 D0=D0+D: M0=M0+M
640 DATA LOAD DC OPEN T#5,"CHQ1F051": DSKIP #5,END: DBACKSPACE #5,1S
: DATA LOAD DC #5,C$( ),V2$( ),I2$( ),B2$( ),C2$( ),T2$( ),D2$( ),M( ),N( ),D(
),B( ),S2$( ),M9( )
650 IF C$(1)="*" THEN 660: IF C$(2)="*" THEN 670: INIT(20)C$( ),V2$( ),I2
$( ),B2$( ),C2$( ),T2$( ),D2$( ),S2$( ): DSKIP #5,END: J=1: C$(2)="*": GOTO
680
660 DBACKSPACE #5,1S: J=1: C$(2)="*": GOTO 680
670 DBACKSPACE #5,1S: J=2
680 C$(J)=C$: V2$(J)=V2%: I2$(J)=I2%: B2$(J)=B2%: C2$(J)=C2%: T2$(J)=
T2%: D2$(J)=D2%: M(J)=M: N(J)=N: D(J)=D: B(J)=B: S2$(J)="2": M9(J)=M9
690 DATA SAVE DC #5,C$( ),V2$( ),I2$( ),B2$( ),C2$( ),T2$( ),D2$( ),M( ),N( ),
D( ),B( ),S2$( ),M9( ): DATA SAVE DC #5,END: RETURN
700 DEFFN '23(U9%): STR(Y2%,1,2)=STR(U9%,7,2): STR(Y2%,3,2)=STR(U9%,1,
2): STR(Y2%,5,2)=STR(U9%,4,2)
710 CONVERT Y2% TO U9: PACK(#####)X2$ FROM U9: RETURN
720 DEFFN '30: DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4
,"CHQ1F040": CONVERT STR(C$,1,4) TO C: IF C=1 THEN 730: DSKIP #3,(C-1)*
10S
730 DATA LOAD DC #3,C$,P,U,Q$( ): F=3: IF P=A THEN 740: GOTO 750
740 IF U=0 THEN 800: G1=U: DATA LOAD DA T#4,(G1,G2) C$,P,U,Q$( ): F=4:
IF P=A THEN 740
750 P%="9": INIT(FF)L$( ): MAT SEARCH Q$( )<35,2381> ,=P% TO L$( ) STEP 3
5: IF L$(1)=HEX(0000) THEN 740
760 I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1
770 CONVERT V2% TO Q9: PACK(####)STR(Q$(1),1,2) FROM Q9: GOSUB '23(I2$
): STR(Q$(1),3,3)=X2%: STR(Q$(1),6,5)=B2%: STR(Q$(1),15,8)=C2%: STR(Q$(
1),23,1)=T2%
780 GOSUB '23(D2%): STR(Q$(1),24,3)=X2%: PACK(#####.##)STR(Q$(1),2
7,5) FROM M: CONVERT N TO STR(Q$(1),32,3),(###): STR(Q$(1),35,1)="2"
790 P=P+1: DBACKSPACE #F,10S: DATA SAVE DC #F,C$,P,U,Q$( ): RETURN
800 LIMITS T#4,"CHQ1F040",X1,Y1,Z1: U=X1+Z1-2: IF F=4 THEN 810: DBACK
SPACE #3,10S: DATA SAVE DC #3,C$,P,U,Q$( ): GOTO 820
810 DATA SAVE DA T#4,(G1,G2) C$,P,U,Q$( )
820 U=0: P=0: INIT(FF)Q$( ): FOR I=1 TO A: STR(Q$(1),35,1)="9": NEXT I
830 DATA LOAD DC OPEN T#4,"CHQ1F040": DSKIP #4,END: DATA SAVE DC #4,C
$,P,U,Q$( ): DATA SAVE DC #4,END: DSKIP #4,END: F=4: GOTO 750
840 Z##### **###.###.###
850 DEFFN '31(M5,0): IF T2%="1" THEN 860: D1=D1+0: A1=A1+M5: GOTO 870
860 O2=O2+0: A2=A2+M5
870 C%=HEX(032D): $UNPACK(D=C%) B2% TO H$,H1$,H2%: IF H%="1" THEN 880:
IF H%="01" THEN 880: O3=O3+0: A3=A3+M5
880 RETURN

```



## DISCOUNT INVOICE4

```

5 LOAD DC T#6,"SUBDATE2" 1005,2230
100 REM INVOICE4 06/25/78 RETURNED DISCOUNT CHEQUE USE NEW CHEQUE
110 DIM N1#45,A1#45,T1#15,T1(6): DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5,
L#1,Y#2,T(10): DIM Q$(69)35
120 DIM C$(2)5,V2$(2)4,I2$(2)8,B2$(2)9,C2$(2)8,T2$(2)1,D2$(2)8,M(2),N
(2),D(2),B(2),S2$(2)1,M9(2): DIM P#1,L$(69)2
130 DIM V1#2,I1#3,B2#9,C2#8,T2#1,S2#1,V2#4,I2#3,D2#8: DIM Z#1,Z$(5)23
,C#2,H#2,H1#3,H2#2,X2#3,Y2#6: DIM Q1$(5)48
140 A=69: RESTORE : MAT READ Z#
150 GOSUB '1: PRINT HEX(03): GOSUB '220("Today's Date as MM/DD/YY"):
I2#=U9#: I9=U9: PRINT HEX(01): GOSUB '242(5,HEX(0A)): PRINT "Today's D
ate as MM/DD/YY : ";I2#
160 GOSUB '243("Is Today's Date OK?(Y/N)",1): Z#=Q6#: IF Z#="Y"THEN 1
70: IF Z#="N"THEN 150: GOTO 160
170 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA LOAD DC #5,V
180 GOSUB '1: PRINT HEX(03):TAB(10):"RETURN (New Cheque)"
190 GOSUB '243("CUSTOMER'S CODE OR NNNNN to terminate",5): C#=Q6#: IF
LEN(C#)<>5THEN 190: IF C#="NNNNN"THEN 390: GOSUB '4: PRINT HEX(01): GO
SUB '242(6,HEX(0A)): PRINT "Customer's Code : ";C#
200 GOSUB '243("Is Customer's Code OK?(Y/N)",1): Z#=Q6#: IF Z#="Y"THEN
210: IF Z#="N"THEN 190: GOTO 200
210 DATA LOAD DC OPEN T#2,"CHQ1F020": CONVERT STR(C#,1,4)TO C: IF C=1
THEN 220: DSKIP #2,(C-1)S
220 DATA LOAD DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(): CONVERT R#TO R9
: CONVERT Y#TO Y9: V=V+1: CONVERT VTO V2#,(####)
230 GOSUB '243("Cheque No.(Return) or 0 to end of this customer",8):
C2#=Q6#: IF C2#="0"THEN 340: PRINT HEX(01): GOSUB '242(7,HEX(0A)): PR
INT "Old Cheque No. : ";C2#
240 GOSUB '243("Is Data OK?(Y/N)",1): Z#=Q6#: IF Z#="Y"THEN 250: IF Z#
="N"THEN 230: GOTO 240
250 DATA LOAD DC OPEN T#3,"CHQ1F030": IF C=1THEN 260: DSKIP #3,(C-1)*
05
260 DATA LOAD DC #3,C#,P,U,Q#(): F=3
270 INIT(FF)L#(): MAT SEARCH Q#(<15,2401>)=C2# TO L#()STEP 35: IF L#(
1)<>HEX(0000)THEN 290: IF U=0THEN 280: G1=U: DATA LOAD DA T#4,(G1,C2)C
#,P,U,Q#(): F=4: GOTO 270
280 PRINT HEX(070707):"NOT FIND CHEQUE NO. RE-ENTER": STOP : GOTO 230
290 I=VAL(L#(1))*256+VAL(STR(L#(1),2,1)): I=(I-1)/35+1
300 B2#=STR(Q#(1),6,9): T2#=STR(Q#(1),23,1): UNPACK(#####.##) STR(
Q#(1),27,5) TO M: M9=M: GOSUB '31(-M,-1)
310 P=P-1: INIT(FF)Q#(1): STR(Q#(1),35,1)="9": DBACKSPACE #F,10S: DAT
A SAVE DC #F,C#,P,U,Q#(): GOSUB '32: GOSUB '20: GOSUB '30
320 GOSUB '50
330 GOSUB '248(7,0,9): GOTO 230
340 T(1)=T(1)+01: T(2)=T(2)+A1: T(3)=T(3)+02: T(4)=T(4)+A2: T(5)=T(5)
+03: T(6)=T(6)+A3: DBACKSPACE #2,1S: DATA SAVE DC #2,C#,N#,A#,T#,B#,S#
,E,R#,L#,Y#,T()
350 DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1#,A1#,T1#,T1(
)
360 T1(1)=T1(1)+01: T1(2)=T1(2)+A1: T1(3)=T1(3)+02: T1(4)=T1(4)+A2: T
1(5)=T1(5)+03: T1(6)=T1(6)+A3: DBACKSPACE #1,BEG: DATA SAVE DC #1,N1#,
A1#,T1#,T1()
370 GOSUB '1: PRINT HEX(030A):"CUSTOMER'S CODE : ";C#: PRINT USING 84
0,"Total Amount : ",M0: PRINT USING 840,"Total Discount : ",D0: PRINT
USING 840,"Total Bank Charge : ",B0
380 GOSUB '52: O1,O2,O3=0: A1,A2,A3=0: M0,D0,B0=0: GOTO 180
390 DATA LOAD DC OPEN T#5,"CHQ1F050": DATA SAVE DC #5,V: DATA SAVE DC
#5,END: LOAD DC T#6,"MENU2"
400 DATA "(1) Bank-Code:", "(2) New Cheque No.:", "(3) Type:", "(4) Due
Date =MM/DD/YY:", "(5) Amount:"
410 DEFFN'1: SELECT PRINT 005(64): RETURN
420 DEFFN'4: C2=0
430 FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
440 C3=C2-(INT(C2/11)*11): IF C3<=1THEN 450: C4=11-C3: GOTO 460
450 C4=0
460 CONVERT C4 TO Z#,(#): IF Z#=STR(C#,5,1)THEN 470: RETURN CLEAR: GOT
O 190

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470 RETURN
480 DEFFN '20: Z=0
490 GOSUB '243("Bank-Code",9): B2%=Q6%: PRINT HEX(01): GOSUB '242(8,H
EX(0A)): PRINT Z$(1);TAB(LEN(Z$(1))+2);B2%: IF Z<>0 THEN 540
500 GOSUB '243("Cheque No.",8): C2%=Q6%: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(2);TAB(LEN(Z$(2))+2);C2%: IF Z<>0 THEN 540
510 GOSUB '243("Type, 0=Other, 1=Owner",1): T2%=Q6%: IF T2%<"0" THEN 5
10: IF T2%>"1" THEN 510: PRINT HEX(01): GOSUB '242(10,HEX(0A)): PRINT Z
$(3);TAB(LEN(Z$(3))+2);T2%: IF Z<>0 THEN 540
520 GOSUB '220("Due Date as MM/DD/YY"): D2%=U9%: D9=U9: PRINT HEX(01)
: GOSUB '242(11,HEX(0A)): PRINT Z$(4);TAB(LEN(Z$(4))+2);D2%: IF Z<>0 T
HEN 540
530 GOSUB '245("Amount",8,2): M=Q9: PRINT HEX(01): GOSUB '242(12,HEX(
0A)): PRINT USING 840,Z$(5),M
540 GOSUB '243("Enter No. To be Correct(1-5),or (0) to exit",1): Z%=0
6%: IF Z%=" " THEN 540
550 CONVERT Z% TO Z: IF Z=0 THEN 560: IF Z>9 THEN 540: IF Z<1 THEN 54
0: GOSUB '248(Z+7,LEN(Z$(Z)),1): ON Z GOTO 490,500,510,520,530
560 GOSUB '31(M,1): REM Calculate number of days: IF I9>=D9 THEN 570:
GOSUB '27(I9,D9): N=T: GOTO 580
570 N=2
580 B=0: IF H%="1" THEN 600: IF M%="01" THEN 600: N=N+Y9
590 B=5: IF M<=4000 THEN 600: B=INT(5+(M-4000)*.00125+.5)
600 B0=B0+B: IF M<=M9 THEN 610: IF L%<"1" THEN 610: N=N-1
610 IF R9=15 THEN 620: D=INT(M*N*INT(R9*10000/360)/1000000+.5): GOTO 63
0
620 D=INT(M*N*INT(R9*100000/360)/10000000+.5)
630 D0=D0+D: M0=M0+M
640 DATA LOAD DC OPEN T#5,"CHQ1F051": DSKIP #5,END: DBACKSPACE #5,19
: DATA LOAD DC #5,C$( ),V2$( ),I2$( ),B2$( ),C2$( ),T2$( ),D2$( ),M( ),N( ),D(
),B( ),S2$( ),M9( )
650 IF C$(1)="*" THEN 660: IF C$(2)="*" THEN 670: INIT(20)C$( ),V2$( ),I2
$( ),B2$( ),C2$( ),T2$( ),D2$( ),S2$( ): DSKIP #5,END: J=1: C$(2)="*": GOTO
680
660 DBACKSPACE #5,19: J=1: C$(2)="*": GOTO 680
670 DBACKSPACE #5,19: J=2
680 C$(J)=C$: V2$(J)=V2%: I2$(J)=I2%: B2$(J)=B2%: C2$(J)=C2%: T2$(J)=
T2%: D2$(J)=D2%: M(J)=M: N(J)=N: D(J)=D: B(J)=B: S2$(J)="3": M9(J)=M9
690 DATA SAVE DC #5,C$( ),V2$( ),I2$( ),B2$( ),C2$( ),T2$( ),D2$( ),M( ),N( ),
D( ),B( ),S2$( ),M9( ): DATA SAVE DC #5,END: RETURN
700 DEFFN '23(U9%): STR(Y2%,1,2)=STR(U9%,7,2): STR(Y2%,3,2)=STR(U9%,1,
2): STR(Y2%,5,2)=STR(U9%,4,2)
710 CONVERT Y2% TO U9: PACK(#####)X2%FROMU9: RETURN
720 DEFFN '30: DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4
,"CHQ1F040": CONVERT STR(C$,1,4) TO C: IF C=1 THEN 730: DSKIP #3,(C-1)*
105
730 DATA LOAD DC #3,C$,P,U,Q$( ): F=3: IF P=A THEN 740: GOTO 750
740 IF U=0 THEN 800: C1=U: DATA LOAD DA T#4,(G1,G2) C$,P,U,Q$( ): F=4:
IF P=A THEN 740
750 P%="9": INIT(FF)L$( ): MAT SEARCH Q$( )<35,2381> ,=P% TO L$( ) STEP 3
5: IF L$(1)=HEX(0000) THEN 740
760 I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1
770 CONVERT V2% TO Q9: PACK(####)STR(Q$(1),1,2)FROM Q9: GOSUB '23(I2%
): STR(Q$(1),3,3)=X2%: STR(Q$(1),6,9)=B2%: STR(Q$(1),15,8)=C2%: STR(Q$
(1),23,1)=T2%
780 GOSUB '23(D2%): STR(Q$(1),24,3)=X2%: PACK(#####.##)STR(Q$(1),2
7,5)FROM M: CONVERT N TO STR(Q$(1),32,3),(###): STR(Q$(1),35,1)="3"
790 P=P+1: DBACKSPACE #F,105: DATA SAVE DC #F,C$,P,U,Q$( ): RETURN
800 LIMITS T#4,"CHQ1F040",X1,Y1,Z1: U=X1+Z1-2: IF F=4 THEN 810: DBACK
SPACE #3,105: DATA SAVE DC #3,C$,P,U,Q$( ): GOTO 820
810 DATA SAVE DA T#4,(G1,G2) C$,P,U,Q$( )
820 U=0: P=0: INIT(FF)Q$( ): FOR I=1 TO A: STR(Q$(I),35,1)="9": NEXT I
830 DATA LOAD DC OPEN T#4,"CHQ1F040": DSKIP #4,END: DATA SAVE DC #4,C
$,P,U,Q$( ): DATA SAVE DC #4,END: DSKIP #4,END: F=4: GOTO 750
840 ##### ##,###,###.##
850 DEFFN '31(M5,0): IF T2%="1" THEN 860: O1=O1+0: A1=A1+M5: GOTO 870
860 O2=O2+0: A2=A2+M5
870 G%=HEX(032D): $UNPACK(D=G%) B2% TO H$,H1$,H2%: IF H%="1" THEN 880:
IF H%="01" THEN 880: O3=O3+0: A3=A3+M5

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```
880 RETURN
890 DEFFN '32: DATA LOAD DC OPEN T#5, 'CHQ1F060'
900 DATA LOAD DC #5,Q1$( ): IF END THEN 930: INIT (FF)L$(1): MAT SEARCH
Q1$( ) <15,226> ,=C2$ TO L$( ) STEP 48: IF L$(1)=HEX(0000) THEN 900
910 J=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): J=(J-1)/48+1: IF STR(Q1$(J)
,36,5) <> C$ THEN 900
920 STR(Q1$(J),35,1)='9': DBACKSPACE #5,15: DATA SAVE DC #5,Q1$( )
930 RETURN
```



RETURN 1

```

5   LOAD DC T#6 "SUBISS" 1365 1580
100  REM RETURN 06/25/78 PAYMENT FOR RETURNED CHEQUE
110  DIM N1#45,A1#45,T1#15,T1(6): DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5
    ,L#1,Y#2,T(10)
120  DIM Q$(69)35,Q1$(5)48,Z$(2)23,Z#1,C#8,L$(1)2,G#2,H#2,H1#3,H2#2
130  RESTORE : MAT READ Z#
140  GOSUB '1: Z=0: PRINT HEX(03):TAB(10);"PAYMENT FOR RETURNED CHEQUE"

150  GOSUB '243("Customer's Code of Return Cheque, or NNNNN to termina
te",5): C#=Q6#: IF LEN(C#)>5 THEN 150: IF C#="NNNNN" THEN 250: GOSUB '4
: PRINT HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z$(1);C#: IF Z<>0 THEN 17
0
160  GOSUB '243("Cheque No.",8): C2#=Q6#: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(2);C2#
170  GOSUB '243("Enter No. To be Correct(1-2),or (0) to exit",1): Z#=Q
6#: IF Z#=" " THEN 170
180  CONVERT Z# TO Z: IF Z=0 THEN 190: IF Z>2 THEN 170: IF Z<1 THEN 17
0: GOSUB '248(Z+7,LEN(Z#(Z)),1): DN Z GOTO 150,160
190  DATA LOAD DC OPEN T#3,"CHQ1F030": CONVERT STR(C#.1,4) TO C: IF C=
1 THEN 200: DSKIP #3,(C-1)*105
200  DATA LOAD DC #3,C#,P,U,Q#(): F=3
210  INIT(FF)I#(1): MAT SEARCH Q$(1)<15,2401>,-C2% TO L$(1) STEP 35: IF
L$(1)<>HEX(0000) THEN 240
220  IF U=0 THEN 230: G1=U: DATA LOAD DA T#4,(G1,G2)C#,P,U,Q#(): F=4:
GOTO 210
230  PRINT HEX(070707):TAB(10);"NOT FIND THIS CHEQUE IN #3,#4": STOP :
GOTO 140
240  I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1: GOSUB '5: GOS
UB '6: GOSUB '32: GOTO 140
250  LOAD DC T#6,"MENU2"
260  DATA "(1) Customer's Code :", "(2) Cheque No. :"
270  DEFFN '1: SELECT PRINT 005(64): RETURN
280  DEFFN '4: C2=0
290  FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
300  C3=C2-(INT(C2/11)*11): IF C3<=1 THEN 310: C4=11-C3: GOTO 320
310  C4=0
320  CONVERT C4 TO Z#,(#): IF Z#=STR(C#.5,1) THEN 330: RETURN CLEAR: GOT
O 150
330  RETURN
340  DEFFN '5: DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1#,A1
#,T1#,T1(1)
350  DATA LOAD DC OPEN T#2,"CHQ1F020": IF C=1 THEN 360: DSKIP #2,(C-1)5
360  DATA LOAD DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(1)
370  UNPACK(#####.##)STR(Q$(1),27,5) TO M: IF STR(Q$(1),23,1)="1" THE
N 380: T1(1)=T1(1)-1: T1(2)=T1(2)-M: T(1)=T(1)-1: T(2)=T(2)-M: GOTO 39
0
380  T1(3)=T1(3)-1: T1(4)=T1(4)-M: T(3)=T(3)-1: T(4)=T(4)-M
390  C#=HEX(032D): #UNPACK(D=C#)STR(Q$(1),6,9) TO H#,H1#,H2#: IF H#="1
" THEN 400: IF H#="01" THEN 400: T1(5)=T1(5)-1: T1(6)=T1(6)-M: T(5)=T(5)
-1: T(6)=T(6)-M
400  DBACKSPACE #1,BEG: DATA SAVE DC #1,N1#,A1#,T1#,T1(1): DBACKSPACE #
2,1S: DATA SAVE DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(1)
410  RETURN
420  DEFFN '6: INIT(FF) Q$(1): STR(Q$(1),35,1)="9": P=P-1: DBACKSPACE #
F,10S: DATA SAVE DC #F,C#,P,U,Q#(): RETURN
430  DEFFN '32: DATA LOAD DC OPEN T#5,"CHQ1F060"
440  I=0: DATA LOAD DC #5,Q1#(): IF ENDTHE 470
450  I=I+1: IF STR(Q1$(I),36,1)="*" THEN 440: IF STR(Q1$(I),36,5)<>C# TH
EN 460: IF STR(Q1$(I),15,8)=C2# THEN 480
460  IF I<5 THEN 450: GOTO 440
470  PRINT HEX(070707):TAB(10);"NOT FIND THIS CHEQUE IN CHQ1F060": STO
P : RETURN CLEAR: GOTO 140
480  STR(Q1$(I),35,1)="9": DBACKSPACE #5,1S: DATA SAVE DC #5,Q1#()
490  RETURN

```

## RETURN2

```

5   LOAD DC T#6,"SUBDATE" 1005 1580
100  REM RETURN# 06/25/78 RETURN CHEQUE FROM BANK
110  DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5,L#1,Y#2,T(10): DIM Q1$(5)48,
R2#8,Z$(3)23,Z#1,C2#8
120  DIM Q$(69)35,L$(1)2,C#2,H#2,H1#3,H2#2
130  RESTORE : MAT READ Z#
140  Z=0: PRINT HEX(03);TAB(10);"RETURN CHQUE FROM BANK"
150  GOSUB '243("Customer's Code of Return Cheque, or NNNNN to termina
te" 5): C#-Q6#: IF LEN(C#)<>5 THEN 150: IF C#="NNNNN" THEN 300: GOSUB '4
: PRINT HEX(01): GOSUB '242(8,HEX(0A)): PRINT Z$(1):C#: IF Z<>0 THEN 18
0
160  GOSUB '243("Cheque No." 8): C2#-Q6#: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(2):C2#: IF Z<>0 THEN 180
170  GOSUB '220("Bank-Return Date as MM/DD/YY"): R2#-U9#: PRINT HEX(01
): GOSUB '242(10,HEX(0A)): PRINT Z$(3):R2#
180  GOSUB '243("Enter No. To be Correct(1-3),or (0) to exit",1): Z#-Q
6#: IF Z#=" " THEN 180
190  CONVERT Z# TO Z: IF Z=0 THEN 200: IF Z>3 THEN 180: IF Z<1 THEN 18
0: GOSUB '248(Z+7,LEN(Z$(Z)),1): ON Z GOTO 150,160,170
200  DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OPEN T#4,"CHQ1F040
": CONVERT STR(C#,1,4) TO C: IF C=1 THEN 210: DSKIP #3,(C-1)*108
210  DATA LOAD DC #3,C#,P,U,Q#(): F=3
220  INIT(FF)L$(1): MAT SEARCH Q$(1)<<15,2401>>=C2# TO L$(1) STEP 35: IF
L$(1)<>HEX(0000) THEN 250
230  IF U=0 THEN 240: G1=U: DATA LOAD DA T#4,(G1,G2)C#,P,U,Q#(): F=4:
GOTO 220
240  PRINT HEX(070707);TAB(10);"NOT FIND THIS CHEQUE IN #3,#4": STOP :
GOTO 140
250  I=VAL(L$(1))*256+VAL(STR(L$(1),2,1)): I=(I-1)/35+1
260  STR(Q$(1),35,1)="6": C#-HEX(032D): $UNPACK(D=C#) STR(Q$(1),6,9) T
O H# H1#,H2#: IF H#="1" THEN 270: IF H#="01" THEN 270: STR(Q$(1),35,1)="
5"
270  DBACKSPACE #F,108: DATA SAVE DC #F,C#,P,U,Q#(): GOSUB '6
280  DATA LOAD DC OPEN T#5,"CHQ1F060": GOSUB '33
290  DATA LOAD DC OPEN T#5,"CHQ1F061": GOSUB '33: GOTO 140
300  LOAD DC T#6,"MENU2"
310  DATA "(1) Customer's Code  :",*(2) Cheque No.  :",*(3) Bank-Return
Date  : "
320  DEFFN '1: SELECT PRINT 005(64): RETURN
330  DEFFN '4: C2=0
340  FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1: C2=C2+C1*(6-J): NEXT J
350  C3=C2-(INT(C2/11)*11): IF C3<=1 THEN 360: C4=11-C3: GOTO 370
360  C4=0
370  CONVERT C4 TO Z#,4#: IF Z#-STR(C#,5,1) THEN 380: RETURN CLEAR: GOT
O 150
380  RETURN
390  DEFFN '6: UNPACK(#####.##)STR(Q$(1),27,5) TO M: DATA LOAD DC OPE
N T#2,"CHQ1F020": CONVERT STR(C#,1,4) TO C: IF C=1 THEN 400: DSKIP #2,(C
-1)8
400  DATA LOAD DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(): T(9)=T(9)+1: T(
10)=T(10)+M
410  DBACKSPACE #E,18: DATA SAVE DC #2,C#,N#,A#,T#,B#,S#,E,R#,L#,Y#,T(
): RETURN
420  DEFFN '33: REM PUT RETURN CHEQUE IN CHQ1F060 OR CHQ1F061
430  DSKIP #5,END: DBACKSPACE #5,18: DATA LOAD DC #5,Q1#()
440  FOR J=1 TO 5: IF STR(Q1$(J),36,1)<>"*" THEN 460
450  K=J: STR(Q1$(J),1,35)=Q$(1): STR(Q1$(J),36,5)=C#: STR(Q1$(J),41,8
)=R2#: IF J=5 THEN 460: INIT(" ")STR(Q1$(J+1),36,1): J=5
460  NEXT J
470  DBACKSPACE #5,18: DATA SAVE DC #5,Q1#(): IF K<>5 THEN 480: INIT(20
)Q1#(): INIT(" ")STR(Q1$(1),36,1): DSKIP #5,END: DATA SAVE DC #5,Q1#()
: DATA SAVE DC #5,END
480  RETURN

```



## RETURN3

```
5 LOAD DC T#6, "SUBISS" 1365, 1580
100 REM RETURN3 06/25/78 REDEPOSITED CHEQUE
110 DIM Q1$(5), C$, H$, Z$(2), T$, Z1, C2$
120 DIM Q$(6), L$(1), C$, H$, H1$, H2$
130 RESTORE : MAT READ Z$
140 Z=0: PRINT HEX(03); TAB(10); "REDEPOSITED CHEQUE"
150 GOSUB '243("Customer's Code of Return Cheque, or NNNNN to termina
te", 5): C$=Q6$: IF LEN(C$)<>5 THEN 150: IF C$="NNNNN" THEN 280: GOSUB '4
: PRINT HEX(01): GOSUB '242(8, HEX(0A)): PRINT Z$(1); C$: IF Z<>0 THEN 17
0
160 GOSUB '243("Cheque No.", 8): C2$=Q6$: PRINT HEX(01): GOSUB '242(9,
HEX(0A)): PRINT Z$(2); C2$
170 GOSUB '243("Enter No. To be Correct(1-2), or (0) to exit", 1): Z$=0
6$: IF Z$=" " THEN 170
180 CONVERT Z$ TO Z: IF Z=0 THEN 190: IF Z>2 THEN 170: IF Z<1 THEN 17
0: GOSUB '248(Z+7, LEN(Z$(Z)), 1): ON Z GOTO 150, 160
190 DATA LOAD DC OPEN T#3, "CHQ1F030": DATA LOAD DC OPEN T#4, "CHQ1F040
": CONVERT STR(C$, 1, 4) TO C: IF C=1 THEN 200: DSKIP #3, (C-1)*10$
200 DATA LOAD DC #3, C$, P, U, Q$(): F=3
210 INIT(FF) L$(1): MAT SEARCH Q$(1) <15, 2401>, =C2$ TO L$(1) STEP 35: IF
L$(1) <> HEX(0000) THEN 240
220 IF U=0 THEN 230: C1=U: DATA LOAD DA T#4, (G1, G2) C$, P, U, Q$(): F=4:
GOTO 210
230 PRINT HEX(070707); "NOT FIND THIS CHEQUE IN #3, #4": STOP : GOTO 14
0
240 I=VAL(L$(1))*256+VAL(STR(L$(1), 2, 1)): I=(I-1)/35+1
250 STR(Q$(I), 35, 1)="8": C$=HEX(032D): $UNPACK(D=C$) STR(Q$(I), 6, 9) TO
H$, H1$, H2$: IF H$="1" THEN 260: IF H$="01" THEN 260: STR(Q$(I), 35, 1)="4
"
260 DBACKSPACE #F, 10$: DATA SAVE DC #F, C$, P, U, Q$()
270 GOSUB '32: GOTO 140
280 LOAD DC T#6, "MENU2"
290 DATA "(1) Customer's Code : ", "(2) Cheque No. : "
300 DEFFN '1: SELECT PRINT 005(64): RETURN
310 DEFFN '4: C2=0
320 FOR J=1 TO 4: CONVERT STR(C$, J, 1) TO C1: C2=C2+C1*(6-J): NEXT J
330 C3=C2-(INT(C2/11)*11): IF C3<=1 THEN 340: C4=11-C3: GOTO 350
340 C4=0
350 CONVERT C4 TO Z$(#): IF Z$=STR(C$, 5, 1) THEN 360: RETURN CLEAR: GOT
O 150
360 RETURN
370 DEFFN '32: DATA LOAD DC OPEN T#5, "CHQ1F060"
380 I=0: DATA LOAD DC #5, Q1$(): IF END THEN 410
390 I=I+1: IF STR(Q1$(I), 36, 1)="" THEN 380: IF STR(Q1$(I), 36, 5) <> C$ TH
EN 400: IF STR(Q1$(I), 15, 8)=C2$ THEN 420
400 IF I<5 THEN 390: GOTO 380
410 PRINT HEX(070707); TAB(10); "NOT FIND THIS CHEQUE IN CHQ1F060": STD
P : RETURN CLEAR: GOTO 140
420 STR(Q1$(I), 35, 1)="9": DBACKSPACE #5, 1$: DATA SAVE DC #5, Q1$()
430 RETURN
```



## BANKRUPT PAYMENT 1

```

5   LOAD DC T#6,"SUBDATE" 1005,1580
100  REM PAYMENT1 06/25/78 COLLECTABLE CHEQUE
110  DIM N1#45,A1#45,T1#15,T1(6): DIM C#5,N#45,A#45,T#15,B#15,S#10,R#5
    L#1,Y#2,T(10)
120  DIM Q#(5)40,R#48,D#48,X#43,Y#46,Z#(2)22,Z#1,C#8,C#2,H#2,H1#3,H#
    2: DIM Q#(69)35,L#(69)8,P#1
130  A=69: RESTORE : MAT READ Z#
140  GOSUB '1: PRINT HEX(030A);TAB(10);"COLLECTABLE CHEQUE": PRINT TAB
    (5);"(1) = UPCOUNTRY CHEQUE or REDEPOSITED CHEQUE CAN COLLECT(BKK or U
    P)": PRINT TAB(5);"(2) = BANGKOK CHEQUE": PRINT TAB(5);"(3) = START TO
    MENU"
150  PRINT : INPUT "Enter No. to be Select Job",X5: IF X5<1THEN 150: I
    F X5>3THEN 150: ON X5 GOTO 160,300,380
160  Z=0: PRINT HEX(03);TAB(10);"COLLECTABLE CHEQUE (UPCOUNTRY CHEQUE
    )"
170  GOSUB '243("Customer's Code or NNNNN to terminate",5): C#=Q6#: IF
    LEN(C#)<>5THEN 170: IF C#="NNNNN"THEN 140: GOSUB '4: PRINT HEX(01): G
    OSUB '242(8,HEX(0A)): PRINT Z#(1);TAB(LEN(Z#(1))+2);C#: IF Z#<>0THEN 19
    0
180  GOSUB '243("Cheque No.",8): C2#=Q6#: PRINT HEX(01): GOSUB '242(9,
    HEX(0A)): PRINT Z#(2);TAB(LEN(Z#(2))+2);C2#
190  GOSUB '243("Enter No. To be Correct(1-2),or (0) to exit",1): Z#=Q
    6#: IF Z#=" " THEN 190
200  CONVERT Z# TO Z: IF Z=0 THEN 210: IF Z>2 THEN 190: IF Z<1 THEN 19
    0: GOSUB '248(Z+7,LEN(Z#(Z)),1): ON Z GOTO 170,180
210  DATA LOAD DC OPEN T#3,"CHQ1F030": CONVERT STR(C#,1,4) TO C: IF C=
    1THEN 220: DSKIP #3,(C-1)*105
220  DATA LOAD DC #3,C#,P,U,Q#(): F=3
230  INIT(FF)L#(): MAT SEARCH Q#(<15,240>),=C# TO L#() STEP 35: IF L
    #(<1>>HEX(0000)THEN 260
240  IF U=0 THEN 250: G1=U: DATA LOAD DA T#4,(G1,G2)C#,P,U,Q#(): F=4:
    GOTO 230
250  PRINT HEX(070707);"NOT FIND CHEQUE NO.": STOP : GOTO 160
260  I=VAL(L#(1))*256+VAL(STR(L#(1),2,1)): I=(I-1)/25+1
270  GOSUB '20: GOSUB '22: GOSUB '23
280  INIT(FF)Q#(I): STR(Q#(I),35,1)="9": P=P-1: DBACKSPACE #F,105: DAT
    A SAVE DC #F,C#,P,U,Q#()
290  GOTO 160
300  PRINT HEX(03);TAB(10);"COLLECTABLE CHEQUE (BANGKOK CHEQUE)"
310  GOSUB '220("Due Date to be Update as MM/DD/YY"): D2#=U9#: PRINT H
    EX(0C);D2#;" Is Date O.K.? (Y/N)
320  INPUT Z#: IF Z#="Y"THEN 330: IF Z#="N"THEN 300: PRINT HEX(0C);TAB
    (10);HEX(0C): GOTO 320
330  STR(Y2#,1,2)=STR(D2#,7,2): STR(Y2#,3,2)=STR(D2#,1,2): STR(Y2#,5,2
    )=STR(D2#,4,2): CONVERT Y2# TO US: PACK(#####) X2# FROM US
340  DATA LOAD DC OPEN T#3,"CHQ1F030"
350  DATA LOAD DC #3,C#,P,U,Q#(): F=3: IF ENDTHE 360: GOSUB '21: GOTO
    350
360  DATA LOAD DC OPEN T#4,"CHQ1F040"
370  DATA LOAD DC #4,C#,P,U,Q#(): F=4: IF ENDTHE 140: GOSUB '21: GOTO
    370
380  LOAD DC T#6,"MENU2"
390  DATA "(1) Customer's Code:", "(2) Cheque No.:"
400  DEFFN '1: SELECT PRINT 005(64): RETURN
410  DEFFN '4: C2=0
420  FOR J=1 TO 4: CONVERT STR(C#,J,1) TO C1 : C2=C2+C1*(6-J): NEXT J
430  C3=C2-(INT(C2/11)*11): IF C3<=1THEN 440: C4=11-C3: GOTO 450
440  C4=0
450  CONVERT C4 TO Z#,(#): IF Z#=STR(C#,5,1)THEN 460: RETURN CLEAR: GOT
    O 170
460  RETURN
470  DEFFN '20: DATA LOAD DC OPEN T#5,"CHQ1F071": DSKIP #5,END: DBACKSP
    ACE #5,15: DATA LOAD DC #5,Q2#()
480  FOR J=1 TO 5: IF STR(Q2#(J),36,1)<>"*"THEN 500
490  K=J: STR(Q2#(J),1,35)=Q#(I): STR(Q2#(J),36,5)=C#: IF J=5THEN 500:
    INIT("#")STR(Q2#(J+1),36,1): J=5
500  NEXT J

```

```

510 DBACKSPACE #5,18: DATA SAVE DC #5,Q2*(): IF K<>5 THEN 520: INIT(20
)Q2*(): STR(Q2*(1),36,1)="*": DSKIP #5,END: DATA SAVE DC #5,Q2*(): DAT
A SAVE DC #5,END
520 RETURN
530 DEFFN '21: P$="7": INIT(FF)L*(1): MAT SEARCH Q*(1)<35,23B1>.=P$ TO L$
() STEP 35
540 FOR I1=1 TO A: IF L$(I1)<>HEX(0000) THEN 550: I1=A: GOTO 570
550 I=VAL(L$(I1))*256+VAL(STR(L$(I1),2,1)): I=(I-1)/35+1
560 IF STR(Q*(I),24,9)>X2$ THEN 570: COSUB '20: COSUB '22: COSUB '23:
INIT(FF)Q*(1): STR(Q*(1),35,1)="-9": P=P-1
570 NEXT I1: DBACKSPACE #F,109: DATA SAVE DC #F,C$,F,U,Q*(1)
580 RETURN
590 DEFFN '22: UNPACK(#####.##)STR(Q*(1),27,5) TO M
600 IF STR(Q*(1),23,1)="1" THEN 610: O1=O1-1: A1=A1-M: GOTO 620
610 O2=O2-1: A2=A2-M
620 C$=HEX(032D): $UNPACK(D=C$)STR(Q*(1),6,9) TO H$,H1$,H2$: IF H$="1"
THEN 630: IF H$="01" THEN 630: O3=O3-1: A3=A3-M
630 RETURN
640 DEFFN '23: DATA LOAD DC OPEN T#1,"CHQIF010": DATA LOAD DC #1,N1$,A1
$ T1$,T1(): CONVERT STR(C$,1,4) TO C: DATA LOAD DC OPEN T#2,"CHQIF020":
IF C=1 THEN 650: DSKIP #2,(C-1)S
650 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T()
660 T1(1)=T1(1)+O1: T1(2)=T1(2)+A1: T1(3)=T1(3)+O2: T1(4)=T1(4)+A2: T1
(5)=T1(5)+O3: T1(6)=T1(6)+A3
670 T(1)=T(1)+O1: T(2)=T(2)+A1: T(3)=T(3)+O2: T(4)=T(4)+A2: T(5)=T(5)+
O3: T(6)=T(6)+A3
680 DBACKSPACE #1,BEG: DATA SAVE DC #1,N1$,A1$,T1$,T1(): DBACKSPACE #
2,1S: DATA SAVE DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T()
690 O1,O2,O3=0: A1,A2,A3=0
700 RETURN

```

โปรแกรม MENU3

```

10 REM MENU3 06/25/78 REPORT MODULE
20 DIM Z$(2)32,Z$64,Y$64: INLY(28)Z$(1)
30 SELECT PRINT 005(64): PRINT HEX(03);TAB(20);" W A N G "
40 PRINT Z$(1);Z$(2): PRINT TAB(5);"FUNCTION KEYS";TAB(25);"FUNCTION D
DESCRIPTION": PRINT Z$(1);Z$(2)
50 PRINT TAB(5);"00.....":HEX(20);"Daily Discount Cheque Rep
ort"
60 PRINT TAB(5);"01.....":HEX(20);"Duedate Report"
70 PRINT TAB(5);"02.....":HEX(20);"Daily Returned Report"
80 PRINT TAB(5);"03.....":HEX(20);"Daily Returned Payment Re
port"
90 PRINT TAB(5);"04.....":HEX(20);"Daily Collectable Cheque
Report"
100 PRINT TAB(5);"05.....":HEX(20);"Sum for Accounting File"
110 PRINT TAB(5);"06.....":HEX(20);"Update Returned Cheque F
ile"
120 PRINT TAB(5);"07.....":HEX(20);"Company's Outstanding"
130 PRINT TAB(5);"08.....":HEX(20);"Listing Cheque File"
140 PRINT TAB(5);"09.....":HEX(20);"Listing Customer File"
150 PRINT TAB(5);"15.....":HEX(20);"System Menu"
160 PRINT TAB(5);"16.....":HEX(20);"Weekly Report"
170 PRINT TAB(5);"17.....":HEX(20);"Monthly Report"
180 GOTO 410
190 DEFFN'0: COSUB '250("SYSTEM NOW LOADING","DAILY DISCOUNT CHEQUE R
EPORT"): LOAD DC T#6,"REPORT51"
200 DEFFN'1: COSUB '250("SYSTEM NOW LOADING","DUEDATE REPORT"): LOAD
DC T#6,"REPORT70"
210 DEFFN'2: COSUB '250("SYSTEM NOW LOADING","DAILY RETURNED REPORT")
: LOAD DC T#6,"REPORT61"
220 DEFFN'3: COSUB '250("SYSTEM NOW LOADING","DAILY RETURNED PAYMENT
REPORT"): LOAD DC T#6,"REPORT60"
230 DEFFN'4: COSUB '250("SYSTEM NOW LOADING","DAILY COLLECTABLE CHEQU
E REPORT"): LOAD DC T#6,"REPORT71"
240 DEFFN'5: COSUB '250("SYSTEM NOW LOADING","SUM FOR ACCOUNTING FILE
"): LOAD DC T#6,"ACCOUNT"
250 DEFFN'6: COSUB '250("SYSTEM NOW LOADING","UPDATE RETURNED CHEQUE
FILE"): LOAD DC T#6,"UPDATE60"
260 DEFFN'7: COSUB '250("SYSTEM NOW LOADING","COMPANY'S OUTSTANDING")
: LOAD DC T#6,"LISTNG10"
270 DEFFN'8: COSUB '250("SYSTEM NOW LOADING","LISTING CHEQUE FILE"):
LOAD DC T#6,"LISTNG30"
280 DEFFN'9: COSUB '250("SYSTEM NOW LOADING","LISTING CUSTOMER FILE")
: LOAD DC T#6,"LISTNG20"
290 DEFFN'10: A$="10": GOTO 400
300 DEFFN'11: A$="11": GOTO 400
310 DEFFN'12: A$="12": GOTO 400
320 DEFFN'13: A$="13": GOTO 400
330 DEFFN'14: A$="14": GOTO 400
340 DEFFN'15: COSUB '250("SYSTEM NOW LOADING","SYSTEM MENU"): LOAD DC
T#6,"MENU"
350 DEFFN'16: COSUB '250("SYSTEM NOW LOADING","WEEKLY REPORT"): LOAD
DC T#6,"WEEKLY20"
360 DEFFN'17: COSUB '250("SYSTEM NOW LOADING","MONTHLY REPORT"): LOAD
DC T#6,"MONTHLY"
370 DEFFN'250(Y$,Z$): PRINT HEX(030A0A0A0A0A): COSUB 390: COSUB '251(
9,55): COSUB '251(8,56): PRINT TAB(8);HEX(81);TAB((64-LEN(Y$))/2);Y$;T
AB(56);HEX(81): PRINT TAB(8);HEX(81);TAB((64-LEN(Z$))/2);Z$;TAB(56);HE
X(81): COSUB '251(8,56): COSUB '251(9,55): COSUB 390: RETURN
380 DEFFN'251(S,T): PRINT TAB(S);HEX(81);TAB(T);HEX(81): RETURN
390 PRINT TAB(10);: FOR S=1TO 23: PRINT HEX(B120);: NEXT S: PRINT : R
ETURN
400 RETURN CLEAR: PRINT HEX(0707070707);"FUNCTION KEY";HEX(2020);A$;"
UNDEFINED !!!": PRINT HEX(0C0C0C)
410 REM

```



## INSTRUMENT REPORT 51

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10 REM REPORTS1 06/25/78 DAILY DISCOUNT CHEQUE REPORT
20 DIM C$(2)5,V2$(2)4,I2$(2)8,B2$(2)9,C2$(2)8,T2$(2)1,D2$(2)8,M(2),N(
21),D(2),B(2),S2$(2)1,M9(2),D4(2): DIM C$5,N$45,C1$5
30 DIM A$(20,50)4,W$(20,50)2,L$(20,50)2: DIM D1$8,M1(31,5): A2=20: A3
=50
40 GOSUB '1: PRINT HEX(030A);TAB(10):"DAILY DISCOUNT CHEQUE REPORT"
50 LIMITS T#5,"CHQIF051",X1,Y1,Z1: INIT(FF)A$(1): DATA LOAD DC OPEN T#
5,"CHQIF051"
60 FOR I=1TO A2: FOR J=1TO A3STEP 2
70 DATA LOAD DC #5,C$(1): IF ENDTHEM 90
80 A$(I,J)=STR(C$(1),1,4): IF C$(2)="*"THEN 90: A$(I,J+1)=STR(C$(2),1
,4): GOTO 100
90 J=A3: I=A2
100 NEXT J
110 NEXT I: INIT(FF)W$(1),L$(1): MAT SORT A$(1) TO W$(1),L$(1)
120 FOR I=1TO A2: FOR J=1TO A3: IF VAL(A$(I,J))<>255THEN 130: J=A3: I
=A2: GOTO 170
130 V=A3*(VAL(L$(I,J))-1)+VAL(STR(L$(I,J),2,1)): V1=INT((V-1)/2)+1: I
F V/2<>INT(V/2)THEN 140: I1=2: GOTO 150
140 I1=1
150 DATA LOAD DA T#5,(X1-1+V1,A1)C$(1),V2$(1),I2$(1),B2$(1),C2$(1),T2$(1),D
2$(1),M(1),N(1),D(1),B(1),S2$(1),M9(1): IF S2$(I1)="1"THEN 170
160 GOSUB '20
170 NEXT J
180 NEXT I
190 GOSUB '25: GOSUB '100
200 LOAD DC T#6,"MENU3"
210 DEFFN'1: SELECT PRINT 005(64): RETURN
220 DEFFN'2: SELECT PRINT 215(132): RETURN
230 DEFFN'20: IF K<>0THEN 240: P1=1: GOSUB '21: REM HEADING
240 K=K+1: IF K<=45THEN 250: P1=P1+1: GOSUB '21: K=1
250 IF K1=0THEN 260: IF C$(I1)=C1$THEN 260: L1=L1+1
260 K1=K1+1: C1$=C$(I1)
270 PRINTUSING 280,K1,C$(I1),V2$(I1),B2$(I1),C2$(I1),T2$(I1),D2$(I1),
M(I1),N(I1),D(I1),B(I1),S2$(I1)
280 Z ### #####
##### ##,###,###,## ### ##,###,### #,###,### #
290 M=M+M(I1): D=D+D(I1): B=B+B(I1): RETURN
300 DEFFN'21: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57):"PAGE ";P1: P
RINT HEX(0A0A0E);TAB(15):"DAILY DISCOUNT CHEQUE REPORT AS OF ";I2$(I1)
: PRINT : PRINT : PRINTUSING 310: PRINT : RETURN
310 Z NO. CUSTOMER-CODE INVOICE NO. BANK-CODE CHEQUE NO. TYPE
DUEDATE AMOUNT NO.OF DAYS DISCOUNT BANKCHARGE STATUS
320 DEFFN'25: PRINT : PRINTUSING 330,M,D,B: RETURN
330 Z
TOTAL ###,###,###,## ###,###,### ##,###,###
340 DEFFN'100: REM SUM FOR ACCOUNTING FILE
350 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA LOAD DC #5,D1$,M1,M2,M1()
360 CONVERT STR(I2$(I1),4,2)TO I: M1(I,1)=L1: M1(I,2)=M
370 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA SAVE DC #5,D1$,M1,M2,M1():
DATA SAVE DC #5,END: RETURN

```

## INSTRUMENT REPORT 70

```

10 REM REPORT70 06/25/78 DUE DATE REPORT
20 DIM Q$(5),40,C$5,R$8,D2$8,X2$3,Y2$6,Z$1,G$2,H$2,H1$3,H2$2,O$1
30 DIM Q$(69)35,L$(69)2: DIM D1$8,M1(31,5): A=69
40 GOSUB '1: PRINT HEX(030A);TAB(10);"DUE DATE REPORT": PRINT TAB(5):"
(1) = UPCOUNTRY CHEQUE": PRINT TAB(5);"(2) = BANGKOK CHEQUE": PRINT TA
B(5);"(3) = START TO MENU"
50 PRINT : INPUT "Enter The No. for Selected Job",X5: IF X5=1 THEN 60:
IF X5= 2 THEN 60: IF X5=3 THEN 230: GOTO 40
60 INIT(20)Q2$(): STR(Q2$(1),36,1)="*": DATA LOAD DC OPEN T#5,"CHQ1F0
70": DATA SAVE DC #5,Q2$(): DATA SAVE DC #5,END
70 ON X5 GOTO 80,160
80 PRINT HEX(030A);TAB(10);"DUE DATE REPORT(UPCOUNTRY CHEQUE)"
90 INPUT "Start Duedate as MM/DD/YY",R2$: IF LEN(R2$)<>8 THEN 90
100 INPUT "End Duedate as MM/DD/YY",D2$: IF LEN(D2$)<>8 THEN 100
110 Z$=" ": INPUT "Is Date O.K.?(Y/N)",Z$: IF Z$="Y" THEN 120: IF Z$="
N" THEN 80: GOTO 110
120 GOSUB '23(D2$): DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OP
EN T#4,"CHQ1F040"
130 DATA LOAD DC #3,C$,P,U,Q$(): F=3: IF END THEN 150: GOSUB '22("2")
140 IF U=0 THEN 130: G1=U: DATA LOAD DA T#4,(G1,G2) C$,P,U,Q$(): F=4:
GOSUB '22("2"): GOTO 140
150 GOSUB '50: GOSUB '100: GOTO 40
160 PRINT HEX(030A);TAB(10);"DUE DATE REPORT(BANGKOK CHEQUE)"
170 INPUT "Due Date as MM/DD/YY",D2$: IF LEN(D2$)<>8 THEN 170
180 Z$=" ": INPUT "Is Date O.K.?(Y/N)",Z$: IF Z$="Y" THEN 190: IF Z$="
N" THEN 160: GOTO 180
190 GOSUB '23(D2$): DATA LOAD DC OPEN T#3,"CHQ1F030": DATA LOAD DC OP
EN T#4,"CHQ1F040"
200 DATA LOAD DC #3,C$,P,U,Q$(): F=3: IF END THEN 220: GOSUB '22("1")
210 IF U=0 THEN 200: G1=U: DATA LOAD DA T#4,(G1,G2)C$,P,U,Q$(): F=4:
GOSUB '22("1"): GOTO 210
220 GOSUB '60: GOSUB '100: GOTO 40
230 LOAD DC T#6,"MENU3"
240 DEFFN '1: SELECT PRINT 005(64): RETURN
250 DEFFN '2: SELECT PRINT 215(132): RETURN
260 DEFFN '20
270 DATA LOAD DC OPEN T#5,"CHQ1F070": DSKIP #5,END: DBACKSPACE #5,IS:
DATA LOAD DC #5,Q2$()
280 FOR J=1 TO 5: IF STR(Q2$(J),36,1)<>"*" THEN 300
290 K=J: STR(Q2$(J),1,35)=Q$(1): STR(Q2$(J),36,5)=C$: IF J=5 THEN 300:
INIT("*)STR(Q2$(J+1),36,1): J=5
300 NEXT J
310 DBACKSPACE #5,IS: DATA SAVE DC #5,Q2$(): DATA SAVE DC #5,END: IF
K<>5 THEN 320: INIT(20)Q2$(): INIT("*)STR(Q2$(1),36,1): DSKIP #5,END:
DATA SAVE DC #5,Q2$(): DATA SAVE DC #5,END
320 RETURN
330 DEFFN '22(Z$)
340 INIT(FF)L$( ): MAT SEARCH Q$( )<24,2392>,<=X2$ TO L$( ) STEP 35
350 FOR R=1 TO A: IF L$(R)<>HEX(0000) THEN 360: R=A: GOTO 410
360 I=VAL(L$(R))*856+VAL(STR(L$(R),2,1)): I=(I-1)/35+1: IF STR(Q$(I),
24,3)=HEX(202020) THEN 410: G$=HEX(0320): $UNPACK(D=C$)STR(Q$(I),6,9) T
O H$,H1$,H2$: IF H$="1" THEN 370: IF H$="01" THEN 370: O$="2": GOTO 380
370 O$="1"
380 IF O$<>Z$ THEN 410
390 STR(Q$(1),35,1)="4": IF Z$="2" THEN 400: STR(Q$(1),35,1)="7"
400 GOSUB '20
410 NEXT R: DBACKSPACE #F,108: DATA SAVE DC #F,C$,P,U,Q$( )
420 RETURN
430 DEFFN '23(D2$): STR(Y2$,1,2)=STR(D2$,7,2): STR(Y2$,3,2)=STR(D2$,1,
2): STR(Y2$,5,2)=STR(D2$,4,2): CONVERT Y2$ TO U9: PACK(#####) X2$ FRO
M U9: RETURN
440 DEFFN '50: REM --- REPORT (UPCOUNTRY CHEQUE)
450 GOSUB '1: PRINT HEX(030A);TAB(10);"DUE DATE REPORT(PRINTER21W) UPC
OUNTRY CHEQUE"
460 L=0: K=0: M0=0: B=5: GOSUB '2: GOSUB '51
470 DATA LOAD DC OPEN T#5,"CHQ1F070"
480 DATA LOAD DC #5,Q2$(): IF END THEN 540: FOR J=1 TO 8: IF STR(Q2$(J),
36,1)="*" THEN 520

```

```

490 K=K+1: IF K<=45 THEN 500: COSUB '51: K=1
500 UNPACK(#####.##)STR(Q2*(J),27,5)TO M: M0=M0+M: UNPACK(#####)S
TR(Q2*(J),24,3)TO D: CONVERT D TO Y2%(#####)
510 L=L+1: COSUB '2: PRINTUSING 690,L,STR(Q2*(J),36,5),STR(Q2*(J),6,9
),STR(Q2*(J),15,8),STR(Y2%,3,2),STR(Y2%,5,2),STR(Y2%,1,2),M: GOTO 530
520 J=B
530 NEXT J: GOTO 480
540 PRINT : PRINTUSING 700,M0: RETURN
550 DEFFN '51: COSUB '2: PRINT HEX(0C0A0A0A0A0A0A0E);TAB(10);"DUEDATE
REPORT(UPCOUNTRY) FROM ";R2%;" TO ";D2%: PRINT HEX(0A0A): PRINTUSI
NG 680: PRINT : RETURN
560 DEFFN '60: REM --- REPORT (BANGKOK CHEQUE)
570 COSUB '1: PRINT HEX(030A);TAB(10);"DUEDATE REPORT(PRINTER21W) BAN
CKOK CHEQUE"
580 L=0: K=0: M0=0: B=S: COSUB '2: COSUB '61
590 DATA LOAD DC OPEN T#5,"CHQ1F070"
600 DATA LOAD DC #5,Q2*(I): IF ENDTHEN 660: FOR J=1TO B: IF STR(Q2*(J
),36,1)="*"THEN 640
610 K=K+1: IF K<=45 THEN 620: COSUB '61: K=1
620 UNPACK(#####.##)STR(Q2*(J),27,5)TO M: M0=M0+M: UNPACK(#####)S
TR(Q2*(J),24,3)TO D: CONVERT D TO Y2%(#####)
630 L=L+1: COSUB '2: PRINTUSING 690,L,STR(Q2*(J),36,5),STR(Q2*(J),6,9
),STR(Q2*(J),15,8),STR(Y2%,3,2),STR(Y2%,5,2),STR(Y2%,1,2),M: GOTO 650
640 J=B
650 NEXT J: GOTO 600
660 PRINT : PRINTUSING 700,M0: RETURN
670 DEFFN '61: COSUB '2: PRINT HEX(0C0A0A0A0A0A0A0E);TAB(15);"DUEDATE
REPORT(BANGKOK) AS OF ";D2%: PRINT HEX(0A0A): PRINTUSING 680: PRINT :
RETURN
680 Z NO. CUSTOMER-CODE BANK-CODE CH
EQUE NO. DUEDATE AMOUNT
690 Z ### ##### #
##### ##/##/## ##,###,###.##
700 Z TOTAL ###,###,###.##
710 DEFFN '100: REM SUM FOR ACCOUNTING FILE
720 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA LOAD DC #5,D1%,M1,M2,M1()
730 CONVERT STR(D2%,4,2)TO I: M1(I,3)=M1(I,3)+M0
740 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA SAVE DC #5,D1%,M1,M2,M1():
DATA SAVE DC #5,END: RETURN

```



## INVENTORY REPORT 61

```

10  REM REPORT61 06/25/78 DAILY RETURNED REPORT
20  DIM Q1$(5)A$,V2$4,I2$6,D2$6
30  DIM A$(100,5)4,W$(100,5)2,L$(100,5)2: DIM D1$8,M1(31,5): A2=100: A
3=5
40  GOSUB '1: PRINT HEX(030A);TAB(10);"DAILY RETURNED REPORT"
50  LIMITS T#5,"CHQIF061",X1,Y1,Z1: INIT(FF)A$(): DATA LOAD DC OPEN T#
5,"CHQIF061"
60  FOR I=1TO A2: DATA LOAD DC #5,Q1$(): IF ENDTHEN 100: FOR J=1TO A3:
  IF STR(Q1$(J),36,1)="*"THEN 80
70  A$(I,J)=STR(Q1$(J),36,4): GOTO 90
80  J=A3: I=A2
90  NEXT J: GOTO 110
100 I=A2
110 NEXT I: INIT(FF)W$(),L$(): MAT SORT A$() TO W$(),L$()
120 FOR I=1TO A2: FOR J=1TO A3: IF VAL(A$(I,J))<>255THEN 130: J=A3: I
=A2: GOTO 150
130 V=VAL(L$(I,J)): V1=VAL(STR(L$(I,J),2,1))
140 DATA LOAD DA T#5,(X1-1+V,A1)Q1$(): GOSUB '20
150 NEXT J: NEXT I
160 GOSUB '25: REM TOTAL: GOSUB '100
170 LOAD DC T#6,"MENU3"
180 DEFFN '1: SELECT PRINT 005(64): RETURN
190 DEFFN '2: SELECT PRINT 215(132): RETURN
200 DEFFN '20: IF K<>0THEN 210: P1=1: GOSUB '21: REM HEADING
210 K=K+1: IF K<=45THEN 220: P1=P1+1: GOSUB '21: K=1
220 UNPACK(####)STR(Q1$(V1),1,2)TO V2: CONVERT V2 TO V2$, (####): UNPA
CK(#####)STR(Q1$(V1),3,3)TO I5: CONVERT I5 TO I2$, (#####): UNPACK(##
#####)STR(Q1$(V1),24,3)TO D1: CONVERT D1 TO D2$, (#####)
230 UNPACK(#####.##)STR(Q1$(V1),27,5)TO M2: L=L+1
240 PRINTUSING 250,L,STR(Q1$(V1),36,5),V2$,STR(I2$,3,2),STR(I2$,5,2),
STR(I2$,1,2),STR(Q1$(V1),6,9),STR(Q1$(V1),15,8),STR(Q1$(V1),23,1),STR(
D2$,3,2),STR(I2$,5,2),STR(D2$,1,2),M2,STR(Q1$(V1),32,3),STR(Q1$(V1),35
,1)
250 Z ### ##### ##/##/## #####
##### # ##/##/## ##,###,###.## ### #
260 M=M+M2: RETURN
270 DEFFN '21: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ":P1: P
RINT HEX(0A0A0E);TAB(15);"DAILY RETURNED REPORT AS OF ";STR(Q1$(V1),4
1,8): PRINTUSING 280: PRINT : RETURN
280 Z NO. CUSTOMER-CODE INVOICE NO. INVOICE DATE BANK-CODE C
HEQUE NO. TYPE DUE DATE AMOUNT NO. OF DAYS STATUS
290 DEFFN '25: PRINT : PRINTUSING 300,M: PRINT : RETURN
300 Z
TOTAL ###,###,###.##
310 DEFFN '100: REM SUM FOR ACCOUNTING FILE
320 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA LOAD DC #5,D1$,M1,M2,M1()
330 CONVERT STR(Q1$(V1),44,2)TO I: M1(I,4)=K
340 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA SAVE DC #5,D1$,M1,M2,M1():
DATA SAVE DC #5,END: RETURN

```

REPORT60

```

10 REM REPORT60 06/25/78 DAILY RETURNED PAYMENT REPORT
20 DIM Q1$(5),A2,V2$,I2%,D2$,D$
30 DIM A$(200,5),W$(200,5),L$(200,5)2: DIM D1$,M1(31,5),Z$1: A2=20
0: A3=5
40 GOSUB '1: PRINT HEX(030A);TAB(10);"DAILY RETURNED PAYMENT REPORT":
INPUT "Enter Today's Date as MM/DD/YY",D$: INPUT "Is Data OK?(Y/N)",Z
5: IF Z="Y" THEN 50: GOTO 40
50 LIMITS T#5,"CHQ1F060",X1,V1,Z1: INIT(FF)A$(): DATA LOAD DC OPEN T#
5,"CHQ1F060"
60 FOR I=1TO A2: DATA LOAD DC #5,Q1$(): IF ENDTHE 100: FOR J=1TO A3:
IF STR(Q1$(J),36,1)="" THEN 80
70 A$(I,J)=STR(Q1$(J),36,4): GOTO 90
80 J=A3: I=A2
90 NEXT J: GOTO 110
100 I=A2
110 NEXT I: INIT(FF)W$( ),L$( ): MAT SORT A$( ) TO W$( ),L$( )
120 FOR I=1TO A2: FOR J=1TO A3: IF VAL(A$(I,J))<255 THEN 130: J=A3: I
=A2: GOTO 150
130 V=VAL(L$(I,J)): V1=VAL(STR(L$(I,J),2,1))
140 DATA LOAD DA T#5,(X1-1+V,A1)Q1$(): IF STR(Q1$(V1),35,1)<>"9" THEN
150: GOSUB '20
150 NEXT J
160 NEXT I
170 GOSUB '25: REM TOTAL: GOSUB '100
180 LOAD DC T#6,"MENU3"
190 DEFFN '1: SELECT PRINT 005(64): RETURN
200 DEFFN '2: SELECT PRINT 215(132): RETURN
210 DEFFN '20: IF K<>0 THEN 220: P1=1: GOSUB '21: REM HEADING
220 K=K+1: IF K<=45 THEN 230: P1=P1+1: GOSUB '21: K=1
230 UNPACK(#####)STR(Q1$(V1),1,2)TO V2: CONVERT V2 TO V2$, (#####): UNPA
CK(#####)STR(Q1$(V1),3,3)TO I5: CONVERT I5 TO I2$, (#####): UNPACK(##
#####)STR(Q1$(V1),24,3)TO D1: CONVERT D1 TO D2$, (#####)
240 UNPACK(#####)STR(Q1$(V1),27,5)TO M2: L=L+1
250 PRINT USING 260,L,STR(Q1$(V1),36,5),V2$,STR(I2$,3,2),STR(I2$,5,2),
STR(I2$,1,2),STR(Q1$(V1),6,9),STR(Q1$(V1),15,8),STR(Q1$(V1),23,1),STR(
D2$,3,2),STR(D2$,5,2),STR(D2$,1,2),M2,STR(Q1$(V1),32,3),STR(Q1$(V1),35
1),STR(Q1$(V1),41,8)
260 % ### ##### ##/##/## #####
# # ##/##/## ##,###,###,## ### # #####
270 M=M+M2: RETURN
280 DEFFN '21: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ":P1: P
RINT HEX(0A0A0E);TAB(15);"DAILY RETURNED PAYMENT REPORT AS OF ":D$: P
RINT HEX(0A0A): PRINT USING 290: PRINT USING 300: PRINT : RETURN
290 % NO. CUSTOMER INVOICE INVOICE BANK CHEQUE
TYPE NO. DUE DATE AMOUNT NO. OF STATUS BANK
300 % CODE NO. DATE CODE BANK NO.
DAYS RETURN DATE
310 DEFFN '25: PRINT : PRINT USING 320,M: PRINT : RETURN
320 %
TOTAL ###,###,###,##
330 DEFFN '100: REM SUM FOR ACCOUNTING FILE
340 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA LOAD DC #5,D1$,M1,M2,M1()
350 CONVERT STR(D$,4,2)TO I: M1(I,5)=M
360 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA SAVE DC #5,D1$,M1,M2,M1():
DATA SAVE DC #5,END: RETURN

```

INVENTORY REPORT 71

```

10 REM REPORT 71 06/25/78 DAILY COLLECTABLE CHEQUE REPORT
20 DIM Q2$(5)40,V2$4,I2$6,D2$6,D$8,Z$1
30 DIM A$(200,5)4,W$(200,5)2,L$(200,5)2: A2=200: A3=5
40 GOSUB '1: PRINT HEX(030A);TAB(10);"DAILY COLLECTABLE CHEQUE REPORT
": INPUT "Enter Today's Date as MM/DD/YY",D$: INPUT "Is Data OK?(Y/N)"
,Z$: IF Z$="Y" THEN 50: GOTO 40
50 LIMITS T#5,"CHQ1F071",X1,Y1,Z1: INIT(FF)A$(): DATA LOAD DC OPEN T#
5,"CHQ1F071"
60 FOR I=1TO A2: DATA LOAD DC #5,Q2$(): IF ENDTHEN 100: FOR J=1TO A3:
IF STR(Q2$(J),36,1)="#" THEN 80
70 A$(I,J)=STR(Q2$(J),36,4): GOTO 90
80 J=A3: I=A2
90 NEXT J: GOTO 110
100 I=A2
110 NEXT I: INIT(FF)W$((),L$(): MAT SORT A$(I) TO W$((),L$(I)
120 FOR I=1TO A2: FOR J=1TO A3: IF VAL(A$(I,J))<>255 THEN 130: J=A3: I
=A2: GOTO 150
130 V=VAL(L$(I,J)): V1=VAL(STR(L$(I,J),2,1))
140 DATA LOAD DA T#5,(X1-1+V,A1)Q2$(): GOSUB '20
150 NEXT J
160 NEXT I
170 GOSUB '25: REM TOTAL
180 LOAD DC T#6,"MENUS"
190 DEFFN '1: SELECT PRINT 005(64): RETURN
200 DEFFN '2: SELECT PRINT 215(132): RETURN
210 DEFFN '20: IF K<>0 THEN 220: P1=1: GOSUB '21
220 K=K+1: IF K<=45 THEN 230: P1=P1+1: GOSUB '21: K=1
230 UNPACK(####)STR(Q2$(V1),1,2)TO V2: CONVERT V2 TO V2$, (#####): UNPA
CK(#####)STR(Q2$(V1),3,3)TO I5: CONVERT I5 TO I2$, (#####): UNPACK(##
###)STR(Q2$(V1),24,3)TO D1: CONVERT D1 TO D2$, (#####)
240 UNPACK(#####)STR(Q2$(V1),27,5)TO M2: L=L+1
250 PRINT USING 260,L,STR(Q2$(V1),36,5),V2$,STR(I2$,3,2),STR(I2$,5,2),
STR(I2$,1,2),STR(Q2$(V1),6,9),STR(Q2$(V1),15,8),STR(Q2$(V1),23,1),STR(
D2$,3,2),STR(D2$,5,2),STR(D2$,1,2),M2,STR(Q2$(V1),32,3),STR(Q2$(V1),35
,1)
260 Z ### ##### ##/##/## ##### ##
##### # ##/##/## ##,###,##.## ### #
270 M=M+M2: RETURN
280 DEFFN '21: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ":P1: P
RINT HEX(0A0A0E);TAB(15);"DAILY COLLECTABLE CHEQUE REPORT AS OF ":D$:
PRINT HEX(0A0A): PRINT USING 290: PRINT USING 300: PRINT : RETURN
290 X NO. CUSTOMER INVOICE INVOICE BANK CH
EQUE TYPE DUE DATE AMOUNT NO. OF STATUS
300 X CODE NO. DATE CODE N
D.
310 DEFFN '25: PRINT : PRINT USING 320,M: PRINT : RETURN
320 X
TOTAL ###,###,###.##

```



## SUMMATION ACCOUNT

```

10 REM ACCOUNT 06/25/78 SUM FOR ACCOUNTING FILE (ONLY POSTPONED)
20 DIM C$(2)5,V2$(2)4,I2$(2)8,B2$(2)9,C2$(2)8,T2$(2)1,D2$(2)8,M(2),N(
2),D(2),B(2),S2$(2)1,M9(2)
30 DIM D1$8,M1(31,5)
40 GOSUB '1: PRINT HEX(030A);TAB(10);"SUMMATION FOR ACCOUNTING FILE"
50 GOSUB '51: GOSUB '100
60 LOAD DC T#6,"MENU3"
70 DEFFN '1: SELECT PRINT 005(64): RETURN
80 DEFFN '51: M=0: DATA LOAD DC OPEN T#5,"CHQ1F051"
90 DATA LOAD DC #5,C$( ),V2$( ),I2$( ),B2$( ),C2$( ),T2$( ),D2$( ),M( ),N(
),B( ),S2$( ),M9( ): IF ENDTHEN 140
100 FOR I=1 TO 2: IF C$(I)="*" THEN 120: IF S2$(I)="2" THEN 110: GOTO 130
110 M=M+M9(I): GOTO 130
120 I=2
130 NEXT I: GOTO 90
140 RETURN
150 DEFFN '100: REM SUM FOR ACCOUNTING FILE
160 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA LOAD DC #5,D1$,M1,M2,M1(
170 CONVERT STR(I2$(I),4,2) TO I: M1(I,3)=M1(I,3)+M
180 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA SAVE DC #5,D1$,M1,M2,M1( ):
DATA SAVE DC #5,END: RETURN

```

## SUMMATION UPDATE60

```

10 REM UPDATE60 06/25/78 UPDATE RETURNED CHEQUE FILE
20 DIM Q1$(5)48,Q2$(5)48
30 GOSUB '1: PRINT HEX(030A);TAB(10);"UPDATE RETURNED CHEQUE FILE"
40 GOSUB '60
50 LOAD DC T#6,"MENU3"
60 DEFFN '1: SELECT PRINT 005(64): RETURN
70 DEFFN '60: DATA LOAD DC OPEN T#5,"CHQ1F060": DATA LOAD DC OPEN T#4,"
CHQ1F070": DATA SAVE DC #4,END
80 DATA LOAD DC #5,Q1$( ): IF ENDTHEN 120
90 FOR J=1 TO 5: IF STR(Q1$(J),36,1)="*" THEN 100: IF STR(Q1$(J),35,1)="
9" THEN 110: GOSUB '65: GOTO 110
100 J=5: STR(Q2$(J+1),36,1)="*": DSKIP #4,END: DATA SAVE DC #4,Q2$(
): DATA SAVE DC #4,END
110 NEXT J: GOTO 80
120 DATA LOAD DC OPEN T#5,"CHQ1F060": DATA LOAD DC OPEN T#4,"CHQ1F070"
130 DATA LOAD DC #4,Q1$( ): IF ENDTHEN 140: DATA SAVE DC #5,Q1$( ): GOTO
130
140 DATA SAVE DC #5,END: RETURN
150 DEFFN '65: J1=J1+1: Q2$(J1)=Q1$(J): IF J1=5 THEN 160: GOTO 170
160 DSKIP #4,END: DATA SAVE DC #4,Q2$( ): DATA SAVE DC #4,END: J1=0: IN
IT(20)Q2$( )
170 RETURN

```

## LISTING10

```

10 REM LISTING10 06/25/78 LISTING COMPANY FILE
20 DIM N1$45,A1$45,T1$15,T1(6),D$8
30 GOSUB '1: PRINT HEX(030A);TAB(10);"LISTING COMPANY FILE"
40 INPUT "ENTER TODAY'S DATE AS MM/DD/YY",D$
50 DATA LOAD DC OPEN T#1,"CHQ1F010": DATA LOAD DC #1,N1$,A1$,T1$,T1( )
60 GOSUB '2: PRINT HEX(0C0A0A0A0A0A0A);HEX(0E);TAB(10);"COMPANY'S OUT
STANDING AS OF ";D$: PRINT HEX(0A0A)
70 PRINT HEX(0E);TAB(30);" NO. AMOUNT(BAHT)": PRINT
80 PRINT HEX(0E);: PRINTUSING 140,"CUSTOMER'S CHEQUES(OTHER)",T1(1),T
1(2)
90 PRINT HEX(0E);: PRINTUSING 140,"PERSONAL'S CHEQUES(OWNER)",T1(3),T
1(4)
100 PRINT HEX(0A0E);: PRINTUSING 140,"TOTAL",T1(1)+T1(3),T1(2)+T1(4)
110 PRINT HEX(0A0A0E);: PRINTUSING 140,"UPCOUNTRY'S CHEQUES",T1(5),T1(
6)
120 PRINT HEX(0E);: PRINTUSING 140,"BANGKOK'S CHEQUES",T1(1)+T1(3)-T1
(5),T1(2)+T1(4)-T1(6)
130 PRINT HEX(0A0E);: PRINTUSING 140,"TOTAL",T1(1)+T1(3),T1(2)+T1(4)
140 Z #####
150 LOAD DC T#6,"MENU3"
160 DEFFN'1: SELECT PRINT 005(64): RETURN
170 DEFFN'2: SELECT PRINT 215(132): RETURN

```

## LISTING30

```

10 REM LISTING30 06/25/78 LISTING CUSTOMER CHEQUE FILE
20 DIM C$5,Q$(69),J$,I2$6,D2$6,V2$4,D$8:A=69
30 GOSUB '1: PRINT HEX(030A);TAB(10);"LISTING CUSTOMER CHEQUE FILE"
40 DATA LOAD DC OPEN T#3,"CHQ1F030"
50 INPUT "ENTER TODAY'S DATE AS MM/DD/YY",D$: INPUT "START CODE#",C:
INPUT "END CODE#",C1: INPUT "Is Data OK?(Y/N)",Z$: IF Z$="N"THEN 50: D
SKIP #3,(C-1)*10 $
60 FOR I=C TO C1: M,M2,K,J=0: DATA LOAD DC #3,C$,P,U,Q$( ): IF ENDTHEN
100: GOSUB '20: IF U<>0THEN 70: GOTO 80
70 DATA LOAD DA-T#4,(U,C2)C$,P,U,Q$( ): GOSUB '20: IF U<>0THEN 70
80 PRINT : PRINTUSING 90,M: GOTO 110
90 Z
TOTAL #####
100 I=C1
110 NEXT I: LOAD DC T#6,"MENU3"
120 DEFFN'1: SELECT PRINT 005(64): RETURN
130 DEFFN'2: SELECT PRINT 215(132): RETURN
140 DEFFN'20: FOR I1=I TO A: IF STR(Q$(I1),35,1)<>'9"THEN 150: GOTO 21
0
150 J=J+1: UNPACK(####)STR(Q$(I1),1,2)TO V2: CONVERT V2TO V2$(####):
UNPACK(#####)STR(Q$(I1),3,3)TO I5: CONVERT I5 TO I2$(#####)
160 UNPACK(#####)STR(Q$(I1),24,3)TO D1: CONVERT D1 TO D2$(#####):
UNPACK(#####.##)STR(Q$(I1),27,5)TO M2
170 IF K<>0THEN 180: P1=1: GOSUB '21: REM HEADING
180 K=K+1: IF K<=45THEN 190: P1=P1+1: GOSUB '21: K=1
190 GOSUB '2: PRINTUSING 200,J,V2$,STR(I2$,3,2),STR(I2$,5,2),STR(I2$,
1,2),STR(Q$(I1),6,9),STR(Q$(I1),15,8),STR(Q$(I1),23,1),STR(D2$,3,2),ST
R(D2$,5,2),STR(D2$,1,2),M2,STR(Q$(I1),32,3),STR(Q$(I1),35,1): M=M+M2
200 Z ## ## ##/##/## #####
## # ##/##/## ##,###,###.## ## #
210 NEXT I1
220 RETURN
230 DEFFN'21: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57);P1: PRINT HEX
(0A0A0E);TAB(20);"LISTING CUSTOMER CHEQUE FILE"
240 PRINT HEX(0A0A0E);" CUSTOMER CODE: ";C$;TAB(40);"DATE: ";D$: P
RINT HEX(0A): PRINTUSING 250: PRINT : RETURN
250 Z NO. INVOICE NO. INVOICE DATE BANK-CODE CHEQUE
NO. TYPE DUE DATE AMOUNT NO.OF DAYS STATUS

```

LISTING LISTING20

```

10  REM LISTING20 06/25/78 LISTING CUSTOMER FILE
11  DIM C$5,N$45,A$45,T$15,B$15,S$10,R$5,L$1,Y$2,T(10),Z$1,D$8
12  GOSUB '1: PRINT HEX(090A);TAB(10);"LISTING CUSTOMER FILE": PRINT T
13  AB(5);"(1) = HISTORY": PRINT TAB(5);"(2) = OUTSTANDING": PRINT TAB(5);
14  "(3) = POSTPONE/RETURN HISTORY": PRINT TAB(5);"(4) = START TO MENU"
15  40 INPUT "Enter the No. for select job",X5: IF X5<1THEN 30: IF X5>4TH
16  EN 30: IF X5<>INT(X5)THEN 30: O1,A1,O2,A2,O3,A3,K,P1=0: ON X5 GOTO 50,
17  50,50,130
18  50 INPUT "ENTER TODAY'S DATE AS MM/DD/YY",D$: INPUT "START CODE#",C:
19  INPUT "END CODE#",C1: INPUT "Is Data OK?(Y/N)",Z$: IF Z$="Y"THEN 60: G
20  OTO 30
21  60 DATA LOAD DC OPEN T#2,"CHK1F020": IF C=1THEN 70: DSKIP #2,(C-1)9
22  70 GOSUB '2: FOR I=CTO C1: DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y
23  $,T(): IF ENDTHE 100: IF X5=1THEN 80: IF X5=2THEN 90: GOSUB '40: GOTO
24  110
25  80 GOSUB '30: GOTO 110
26  90 GOSUB '20: GOTO 110
27  100 I=C1
28  110 NEXT I: IF X5=1THEN 30: PRINT : PRINTUSING 120,O1,A1,O2,A2,O3,A3:
29  GOTO 30
30  120 % ##### TOTAL
31  #####
32  130 LOAD DC T#6,"MENU3"
33  140 DEFFN'1: SELECT PRINT 005(64): RETURN
34  150 DEFFN'2: SELECT PRINT 215(132): RETURN
35  160 DEFFN'20: IF K<>0THEN 170: P1=1: GOSUB '21
36  170 K=K+1: IF K<=45THEN 180: P1=P1+1: GOSUB '21: K=1
37  180 PRINTUSING 190,C$,T$,E,R$,L$,Y$,T(1),T(2),T(3),T(4),T(5),T(6)
38  190 % #####
39  #####
40  200 O1=O1+T(1): A1=A1+T(2): O2=O2+T(3): A2=A2+T(4): O3=O3+T(5): A3=A3
41  +T(6): RETURN
42  210 DEFFN'21: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ";P1: PRINT HEX(0A
43  0A0E);TAB(15);"CUSTOMER'S OUTSTANDING AS OF ";D$: PRINT HEX(0A0A): PRI
44  NTUSING 220: PRINTUSING 230: PRINT : RETURN
45  220 % CUSTOMER TELEPHONE CREDIT RATE DISCOUNT UP
46  NO.OF AMOUNT NO.OF AMOUNT NO.OF AMOUNT
47  230 % CODE NO. OWNER UP COUNTRY
48  OTHER
49  240 DEFFN'30: IF K<>0THEN 250: P1=1: GOSUB '31
50  250 K=K+1: IF K<=45THEN 260: P1=P1+1: GOSUB '31: K=1
51  260 PRINTUSING 270,C$,N$,A$,B$,S$: RETURN
52  270 % #####
53  #####
54  280 DEFFN'31: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ";P1: PRINT HEX(0A
55  0A0E);TAB(15);"CUSTOMER'S HISTORY AS OF ";D$: PRINT HEX(0A0A): PRINTUS
56  ING 290: PRINT : RETURN
57  290 % CODE NAME TYPE OF BUSSINESS SECURITY ADD
58  RESS
59  300 DEFFN'40: IF K<>0THEN 310: P1=1: GOSUB '41
60  310 K=K+1: IF K<=45THEN 320: P1=P1+1: GOSUB '41: K=1
61  320 PRINTUSING 330,C$,N$,T(7),T(8),T(9),T(10): RETURN
62  330 % #####
63  #####
64  340 DEFFN'41: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ";P1: PRINT HEX(0A
65  0A0E);TAB(15);"CUSTOMER'S HISTORY AS OF ";D$: PRINT HEX(0A0A): PRINTUS
66  ING 350: PRINT : RETURN
67  350 % CODE NAME POSTPONE (
68  TIMES) AMOUNT RETURN(TIMES) AMOUNT

```



WEEKLY20

```

10 REM WEEKLY20 06/25/78 REPORT FOR BANK OF THAILAND
20 DIM C$5,N$45,A$45,T$15,B$15,S$10,R$5,L$1,Y$2,T(10)
30 GOSUB '1: PRINT HEX(030A);TAB(10);"REPORT FOR BANK OF THAILAND": IN
PUT "DATE AS MM/DD/YY",D$
40 DATA LOAD DC OPEN T#2,"CHOIF020"
50 DATA LOAD DC #2,C$,N$,A$,T$,B$,S$,E,R$,L$,Y$,T(): IF END THEN 80
60 IF T(2)+T(4)<300000THEN 70: GOSUB '20: GOTO 50
70 GOSUB '30: GOTO 50
80 GOSUB '25: GOSUB '35: LOAD DC T#6,"MENU3"
90 DEFFN'1: SELECT PRINT 005(64): RETURN
100 DEFFN'2: SELECT PRINT 215(132): RETURN
110 DEFFN'20: IF K<>0THEN 120: P1=1: GOSUB '21
120 K=K+1: IF K<=45THEN 130: P1=P1+1: GOSUB '21: K=1
130 L=L+1: PRINTUSING 140,L,STR(N$,1,30),B$,E,T(2),T(4),T(2)+T(4),R$,
S$
140 X### ##### ##,###,###.#
# ##,###,###.## ##,###,###.## ##,###,###.## #####
150 A1=A1+T(2): A2=A2+T(4): RETURN
160 DEFFN'21: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ";P1: PR
INT HEX(0A0A0E);TAB(15);"DISCOUNT CHEQUE WEEKLY REPORT ENDED ";D$: PRI
NT HEX(0A0A): PRINTUSING 170: PRINT : RETURN
170 ZNO. NAME TYPE OF BUSINESS CREDIT LIM
T TRADE AMOUNT RISK AMONUT TOTAL RATE(%) SECURITY
180 DEFFN'25: PRINT : PRINTUSING 190,A1,A2,A1+A2: PRINT : RETURN
190 X TOTAL
###,###,###.## ###,###,###.## ###,###,###.##
200 DEFFN'30: IF T(4)=0THEN 210: O4=O4+1: B4=B4+T(3): A4=A4+T(4)
210 IF T(2)=0THEN 220: O3=O3+1: B3=B3+T(1): A3=A3+T(2)
220 RETURN
230 DEFFN'35: PRINT : PRINT " DISCOUNT CHEQUE OF CUSTOMER OF LESS THA
N 300,000 BAHT": PRINTUSING 240: PRINTUSING 250,O3,B3,A3: PRINTUSING 2
60,O4,B4,A4: PRINTUSING 270,O3+O4,B3+B4,A3+A4: RETURN
240 % NO. OF CUST. NO. OF CHEQUE
BALANCE
250 % DISCOUNT OF CUSTOMER'S CHEQUE ### # # # # #
#,###,###.##
260 % DISCOUNT OF PERSONAL'S CHEQUE ### # # # # #
#,###,###.##
270 % TOTAL ### # # # # #
#,###,###.##

```

MONTHLY

```

10 REM MONTHLY 06/25/78 MONTHLY REPORT
20 GOSUB '1: PRINT HEX(030A);TAB(10);"MONTHLY REPORT": PRINT TAB(5);"
(1) = Returned Cheque Outstanding Report"
30 PRINT TAB(5);"(2) = Monthly Cheque Ledger Report": PRINT TAB(5);"(
3) = Monthly Returned Ledger Report"
40 PRINT TAB(5);"(4) = Monthly Reset Accounting File": PRINT TAB(5);"
(5) = Start to Menu"
50 PRINT : INPUT "Enter the No. for Selected Job",X5: IF X5<1THEN 20:
IF X5>5THEN 20: IF X5<>INT(X5)THEN 20: K,L,P1=0: ON X5GOTO 90,380,540
,700,60
60 LOAD DC T#6,"MENU3"
70 DEFFN '1: SELECT PRINT_005(64): RETURN
80 DEFFN '2: SELECT PRINT_215(132): RETURN
90 REM -----MONTH#0: DIM Q1$(5)48,V2$4,I2$6,D2$6,D$8,C1$6,Z$1
100 DIM A$(200,5)4,W$(200,5)2,L$(200,5)2: A2=200: A3=5
110 GOSUB '1: PRINT HEX(030A);TAB(10);"RETURNED CHEQUE OUTSTANDING-RE
PORT": INPUT "Enter Today's Date as MM/DD/YY",D$: INPUT "Is Data OK?(Y
/N)",Z$: IF Z$="Y"THEN 120: GOTO 110
120 LIMITS T#5,"CHQ1F060",X1,Y1,Z1: INIT(FF)A$(1): DATA LOAD DC OPEN T
#5,"CHQ1F060"
130 FOR I=1TO A2: DATA LOAD DC #5,Q1$(I): IF ENDTHEN 170: FOR J=1TO A3
: IF STR(Q1$(J),36,1)=""THEN 150
140 A$(I,J)=STR(Q1$(J),36,4): GOTO 160
150 J=A3: I=A2
160 NEXT J: GOTO 180
170 I=A2
180 NEXT I: INIT(FF)W$(1),L$(1): MAT SORT A$(1) TO W$(1),L$(1)
190 FOR I=1TO A2: FOR J=1TO A3: IF VAL(A$(I,J))<>255THEN 200: J=A3: I
=A2: GOTO 220
200 V=VAL(L$(I,J)): V1=VAL(STR(L$(I,J),2,1))
210 DATA LOAD DA T#5,(X1-1+V,A1)Q1$(I): GOSUB '10
220 NEXT J
230 NEXT I
240 GOSUB '15: REM TOTAL: GOTO 20
250 DEFFN '10: IF K<>0THEN 260: P1=1: GOSUB '11
260 K=K+1: IF K<=45THEN 270: P1=P1+1: GOSUB '11: K=1
270 UNPACK(####)STR(Q1$(V1),1,2)TO V2: CONVERT V2 TO V2$, (####): UNPA
CK(#####)STR(Q1$(V1),3,3)TO I5: CONVERT I5 TO I2$, (#####): UNPACK(##
####)STR(Q1$(V1),24,3)TO D1: CONVERT D1 TO D2$, (#####)
280 UNPACK(#####.##)STR(Q1$(V1),27,5)TO M2
290 STR(C1$,1,4)=STR(Q1$(V1),36,4): STR(C1$,5,1)="-": STR(C1$,6)=STR(
Q1$(V1),40,1): L=L+1
300 PRINTUSING 310,L,C1$,V2$,STR(I2$,3,2),STR(I2$,5,2),STR(I2$,1,2),S
TR(Q1$(V1),6,9),STR(Q1$(V1),15,8),STR(Q1$(V1),23,1),STR(D2$,3,2),STR(D
2$,5,2),STR(D2$,1,2),M2,STR(Q1$(V1),32,3),STR(Q1$(V1),35,1),STR(Q1$(V1
),41,8)
310 Z ### ##### ##/##/## ----- #####
# # ##/##/## #,###,###.## ### # #####
320 M=M+M2: RETURN
330 DEFFN '11: GOSUB '2: PRINT HEX(0C0A0A0A0A0E);TAB(57);"PAGE ":P1: P
RINT HEX(0A0A0E);TAB(10);"RETURNED CHEQUE OUTSTANDING REPORT AS OF ";D
$: PRINT HEX(0A0A): PRINTUSING 340: PRINTUSING 350: PRINT : RETURN
340 X NO. CUSTOMER INVOICE INVOICE BANK CHEQUE
TYPE NO. DUE DATE AMOUNT NO. OF STATUS BANK
350 X CODE DATE NO. OF STATUS BANK
DAYS RETURN DATE
360 DEFFN '15: PRINT : PRINTUSING 370,M: PRINT : RETURN
370 X TOTAL ###,###,###.##
380 REM ----- MONTHACC: DIM D$8,Z$1: DIM D1$8,M1(31,5)
390 GOSUB '1: PRINT HEX(030A);TAB(10);"MONTHLY CHEQUE LEDGER REPORT":
INPUT "Enter Today's Date as MM/DD/YY",D$
400 INPUT "Is Data OK?(Y/N)",Z$: IF Z$="Y"THEN 410: IF Z$="N"THEN 39
0: GOTO 400
410 DATA LOAD DC OPEN T#5,"ACCTFILE": DATA LOAD DC #5,D1$,M1,M2,M1(1)
420 GOSUB '21: GOSUB '20: GOTO 20
430 DEFFN '20: PRINTUSING 440,D1$,M1: PRINT
440 X ##### POST AMOUNT #,###,###.##

```

```

450 FOR I=1 TO 31: IF M1(I,1)=0 THEN 470: CONVERT I TO STR(D1$,4,2), (**)
: PRINT USING 460, D1$, M1(I,1), M1(I,2), M1(I,3): M3=M3+M1(I,2): M4=M4+M1(I
1,3)
460 X #####          ##          #,###,###,###.##
      #,###,###,###.##
470 NEXT I: PRINT : PRINT USING 480, M1+M3-M4
480 X          POST AMOUNT
      #,###,###,###.##
490 PRINT : PRINT USING 500, M1+M3, M1+M3
500 X          BALANCE          #,###,###,###.##
      #,###,###,###.##
510 RETURN
520 DEFFN '21: COSUB '2: PRINT HEX(0C0A0A0A0A0A0A0E); TAB(10); "MONTHLY
CHEQUE LEDGER AS OF ": D$: PRINT : PRINT : PRINT USING 530: PRINT : RETU
RN
530 X          MM/DD/YY          NO.OF CUSTOMER          DEBIT
          CREDIT
540 REM -----MONTHACR: DIM D$8, Z$1: DIM D1$8, M1(31,5)
550 COSUB '1: PRINT HEX(030A); TAB(10); "MONTHLY RETURNED LEDGER REPORT
": INPUT "Enter Today's Date as MM/DD/YY", D$
560 INPUT "Is Data OK.?(Y/N)", Z$: IF Z$="Y" THEN 570: IF Z$="N" THEN 55
0: GOTO 560
570 DATA LOAD DC OPEN T#5, "ACCTFILE": DATA LOAD DC #5, D1$, M1, M2, M1()
580 COSUB '31: COSUB '30: GOTO 20
590 DEFFN '30: PRINT USING 600, D1$, M2: PRINT
600 X          #####          POST AMOUNT          #,###,###,###.##
610 FOR I=1 TO 31: IF M1(I,1)=0 THEN 630: CONVERT I TO STR(D1$,4,2), (**)
: PRINT USING 620, D1$, M1(I,4), M1(I,5): M3=M3+M1(I,4): M4=M4+M1(I,5)
620 X          #####          #,###,###,###.##
      #,###,###,###.##
630 NEXT I: PRINT : PRINT USING 640, M2+M3-M4
640 X          POST AMOUNT
      #,###,###,###.##
650 PRINT : PRINT USING 660, M2+M3, M2+M3
660 X          BALANCE          #,###,###,###.##
      #,###,###,###.##
670 RETURN
680 DEFFN '31: COSUB '2: PRINT HEX(0C0A0A0A0A0A0A0E); TAB(10); "MONTHLY
RETURN LEDGER AS OF ": D$: PRINT : PRINT : PRINT USING 690: PRINT : RETU
RN
690 X          MM/DD/YY          DEBIT
          CREDIT
700 REM -----MONTHSET: DIM D$8, M1(31,5), Z$1
710 COSUB '1: PRINT HEX(030A); TAB(10); "SYSTEM NOW REBET ACCOUNTING FI
LE"
720 INPUT "POST DATE AS MM/DD/YY", D$
730 INPUT "DEBIT BALANCE FOR CHEQUE LEDGER", M1
740 INPUT "DEBIT BALANCE FOR RETURN LEDGER", M2
750 INPUT "Is Data OK.?(Y/N)", Z$: IF Z$="Y" THEN 760: IF Z$="N" THEN 71
0: GOTO 750
760 MAT M1=ZER: SCRATCH T#5, "ACCTFILE": DATA SAVE DC OPEN T#5, "ACCTFI
LE", "ACCTFILE": DATA SAVE DC #5, D$, M1, M2, M1(): DATA SAVE DC #5, END: GO
TO 20

```



## SUBROUTINE SUBISS

```

20 REM SUBISS 06/01/78: DIM Q6%64,W#8,W3#3,W4#1,W#(3)B,Q4(3),Q5(3)
1365 GOTO 20
1370 DEFFN '242(W0,Q6%): IF W0<=0THEN 1390: IF W0=1THEN 1380: STR(Q6%,2
)=STR(Q6%,1,W0-1)
1380 PRINT Q6%:
1390 RETURN
1400 DEFFN '243(Q6%,Q0): GOSUB 1520
1410 SELECT CD205: Q6%=" ": INPUT Q6%: IF Q0=0THEN 1550: IF LEN(Q6%)<
=Q0THEN 1550: GOSUB 1510
1420 DEFFN '244(Q0): COSUB 1540: COSUB 1530: GOTO 1410
1430 DEFFN '245(Q6%,Q2,Q3): Q0=ABS(Q2)+Q3+1: COSUB 1520
1440 IF ABS(Q2)+ABS(Q3)=0THEN 1450: COSUB '242(ABS(Q2)+2,HEX(Q9)): PRI
NT "/": GOTO 1460
1450 PRINT " "
1460 GOSUB 1540: SELECT CD205: Q9,W0=-1E-99: INPUT Q9: IF W0=Q9THEN 14
70: IF ABS(Q2)+Q3=0THEN 1500: IF Q9>=0THEN 1490: IF Q2<=0THEN 1490
1470 GOSUB 1510
1480 DEFFN '246(Q2,Q3): Q0=ABS(Q2)+Q3+1: COSUB 1540: COSUB 1530: GOTO 1
440
1490 IF ABS(Q9)>=10+ABS(Q2)THEN 1470: W0=ABS(Q9*10+Q3): IF INT(W0)<>W0
THEN 1470
1500 COSUB '248(3,0,1): RETURN
1510 GOSUB '248(3,0,1): PRINT "RE-ENTER": RETURN
1520 SELECT PRINT 005(64),CD005: PRINT HEX(010A):STR(Q6%,1):
1530 SELECT PRINT 005(64),CD005: GOSUB '242(Q0+2,"-"): PRINT TAB(64)
1540 PRINT HEX(010A0A): RETURN
1550 PRINT HEX(0A):TAB(64): SELECT PRINT 005(64),CD005: RETURN
1560 DEFFN '248(Q6,Q7,Q8): GOSUB 1580: IF Q8<1THEN 1570: COSUB 1570: SE
LECT PRINT 205: Q6%=" ": PRINT STR(Q6%,Q7+1): IF Q8<2THEN 1570: FOR W0
=2TO Q8: PRINT HEX(0A):STR(Q6%,1): NEXT W0
1570 PRINT HEX(01): COSUB '242(Q7,HEX(Q9)): GOSUB '242(Q6,HEX(0A))
1580 SELECT PRINT 005(64),CD005: RETURN

```

## SUBDATE

```

10 REM SUBDATE 06/01/78 : DIM U8%64,U9%8
20 DIM Q6%64,W0,W3%3,W4%1,W5(3),Q4(5),Q5(3)
1005 GOTO 10
1010 DEFFN '220(U8%)
1020 GOSUB '243(U8%,5): COSUB '221(Q6%): IF Q6%="E" THEN 1020: GOSUB '
223(U9): COSUB '243(1,0,3)
1030 RETURN
1040 DEFFN '221(Q6%): U9%=Q6%: IF Q6%=" " THEN 1190: IF NUM(Q6%)=0 THEN
1190: IF POS(Q6%="/")-1<>NUM(Q6%) THEN 1190: CONVERT STR(Q6%,1,NUM(Q6%))
)TO U8: IF U8<1 THEN 1190: IF U8<12 THEN 1190: STR(Q6%,1)=STR(Q6%,POS(Q6
%="/")+1): IF NUM(Q6%)=0 THEN 1190: IF POS(Q6%="/")-1<>NUM(Q6%) THEN 119
0
1050 CONVERT STR(Q6%,1,NUM(Q6%))TO U6: IF U6<1 THEN 1190: IF U6>31 THEN
1190: STR(Q6%,1)=STR(Q6%,POS(Q6%="/")+1): IF NUM(Q6%)<>64 THEN 1190: CO
NVERT Q6%TO U0: U7=(1-SCN(U0-INT(U0/4)*4))*SCN((U8-1)*(U8-2))
1060 ON U8GOTO 1180,1170,1160,1150,1140,1130,1120,1110,1100,1090,1080,
1070
1070 U7=U7+30
1080 U7=U7+31
1090 U7=U7+30
1100 U7=U7+31
1110 U7=U7+31
1120 U7=U7+30
1130 U7=U7+31
1140 U7=U7+30
1150 U7=U7+31
1160 U7=U7+28
1170 U7=U7+31
1180 U9=U7+U6+U0*1000: RETURN
1190 Q6%="E": RETURN
1200 DEFFN '222(U8%): GOSUB '245(U8%,5,0): GOSUB '223(Q9): GOSUB '221(U
9%): GOSUB '248(1,0,3): PRINT "IS DATE OK? (Y/N)",U9%,U9
1210 GOSUB '244(1): IF Q6%="N" THEN 1200: IF Q6%<>"Y" THEN 1210: RETUR
N
1220 DEFFN '223(U9): U1=INT(U9/1E3): U2=U9-U1*1E3: U3=1-SCN(U1-INT(U1/4
)*4): IF U2<=334+U3 THEN 1230: U4=U2-334-U3: U5=12: GOTO 1340
1230 IF U2<=304+U3 THEN 1240: U4=U2-304-U3: U5=11: GOTO 1340
1240 IF U2<=273+U3 THEN 1250: U4=U2-273-U3: U5=10: GOTO 1340
1250 IF U2<=243+U3 THEN 1260: U4=U2-243-U3: U5=9: GOTO 1340
1260 IF U2<=212+U3 THEN 1270: U4=U2-212-U3: U5=8: GOTO 1340
1270 IF U2<=181+U3 THEN 1280: U4=U2-181-U3: U5=7: GOTO 1340
1280 IF U2<=151+U3 THEN 1290: U4=U2-151-U3: U5=6: GOTO 1340
1290 IF U2<=120+U3 THEN 1300: U4=U2-120-U3: U5=5: GOTO 1340
1300 IF U2<=90+U3 THEN 1310: U4=U2-90-U3: U5=4: GOTO 1340
1310 IF U2<=59+U3 THEN 1320: U4=U2-59-U3: U5=3: GOTO 1340
1320 IF U2<=31 THEN 1330: U4=U2-31: U5=2: GOTO 1340
1330 U4=U2: U5=1
1340 CONVERT U5TO STR(U9%,1,2),(@#): CONVERT U4TO STR(U9%,4,2),(@#): C
ONVERT U1TO STR(U9%,7,2),(@#): STR(U9%,3,1),STR(U9%,6,1)="/": RETURN
1350 DEFFN '224(Q9): U2=INT(365.25*(INT(Q9/1E3)-1))+Q9-INT(Q9/1E3)*1E3:
Q9=INT((U2)/365.25): Q9=Q9*1E3+(U2-INT(365.25*Q9))+1E3: RETURN
1360 DEFFN '225(U1,U2): U3=INT(365.25*(INT(U2/1E3)-1))+U2-INT(U2/1E3)*1
E3: U3=U3-(INT(365.25*(INT(U1/1E3)-1))+U1-INT(U1/1E3)*1E3): RETURN
1370 DEFFN '242(W0,Q6%): IF W0<=0 THEN 1390: IF W0=1 THEN 1380: STR(Q6%,2
)=STR(Q6%,1,W0-1)
1380 PRINT Q6%:
1390 RETURN
1400 DEFFN '243(Q6%,Q0): GOSUB 1520
1410 SELECT CASE Q0: Q6%=" ": INPUT Q6%: IF Q0=0 THEN 1550: IF LEN(Q6%)<
=Q0 THEN 1550: GOSUB 1510
1420 DEFFN '244(Q0): GOSUB 1540: GOSUB 1530: GOTO 1410
1430 DEFFN '245(Q6%,Q2,Q3): Q0=ABS(Q2)+Q3+1: GOSUB 1520
1440 IF ABS(Q2)+ABS(Q3)=0 THEN 1450: GOSUB '242(ABS(Q2)+2,HEX(Q9)): PRI
NT "/": GOTO 1460
1450 PRINT " "
1460 GOSUB 1540: SELECT CASE Q0: Q9,W0=-1E-99: INPUT Q9: IF W0=Q9 THEN 14
70: IF ABS(Q2)+Q3=0 THEN 1500: IF Q9>=0 THEN 1490: IF Q2<=0 THEN 1490
1470 GOSUB 1510

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1480 DEFFN'246(Q2,Q3): Q0=ABS(Q2)+Q3+1: COSUB 1540: COSUB 1530: GOTO 1
440
1490 IF ABS(Q9)>=10+ABS(Q2)THEN 1470: W0=ABS(Q9*10+Q3): IF INT(W0)<>W0
THEN 1470
1500 COSUB '248(3,0,1): RETURN
1510 COSUB '248(3,0,1): PRINT "RE-ENTER": RETURN
1520 SELECT PRINT 005(64),C0005: PRINT HEX(010A):STR(Q6$,1):
1530 SELECT PRINT 005(64),C0005: COSUB '242(Q0+2,"-"): PRINT TAB(64)
1540 PRINT HEX(010A0A): RETURN
1550 PRINT HEX(0A):TAB(64): SELECT PRINT 005(64),C0005: RETURN
1560 DEFFN'248(Q6,Q7,Q8): COSUB 1580: IF Q8<1THEN 1570: COSUB 1570: SE
LECT PRINT 205: Q6$=" ": PRINT STR(Q6$,Q7+1): IF Q8<2THEN 1570: FOR W0
=2TO Q8: PRINT HEX(0A):STR(Q6$,1): NEXT W0
1570 PRINT HEX(01): COSUB '242(Q7,HEX(09)): COSUB '242(Q6,HEX(0A))
1580 SELECT PRINT 005(64),C0005: RETURN
```



## SUBDATE2

```

10 REM SUBDATE2 06/01/78 : DIM U8#64,U9#8
20 DIM Q6#64,W#8,W3#3,W4#1,Q6(3)B,Q4(3),Q5(3)
30 DIM X#(4)64
1005 GOTO 10
1010 DEFFN '220(U8#)
1020 COSUB '243(U8#,8): GOSUB '221(Q6#): IF Q6#="E" THEN 1020: GOSUB '
223(U9): COSUB '248(1,0,3)
1030 RETURN
1040 DEFFN '221(Q6#): U9#=Q6#: IF Q6#=" " THEN 1190: IF NUM(Q6#)=0 THEN
1190: IF POS(Q6#="/")-1<>NUM(Q6#) THEN 1190: CONVERT STR(Q6#,1,NUM(Q6#)
) TO U8: IF U8<1 THEN 1190: IF U8>12 THEN 1190: STR(Q6#,1)=STR(Q6#,POS(Q6
#="/")+1): IF NUM(Q6#)=0 THEN 1190: IF POS(Q6#="/")-1<>NUM(Q6#) THEN 119
0
1050 CONVERT STR(Q6#,1,NUM(Q6#)) TO U6: IF U6<1 THEN 1190: IF U6>31 THEN
1190: STR(Q6#,1)=STR(Q6#,POS(Q6#="/")+1): IF NUM(Q6#)<>64 THEN 1190: CO
NVERT Q6# TO U0: U7=(1-SCN(U0-INT(U0/4)*4))*SCN((U8-1)*(U8-2))
1060 ON USGOTO 1180,1170,1160,1150,1140,1130,1120,1110,1100,1090,1080,
1070
1070 U7=U7+30
1080 U7=U7+31
1090 U7=U7+30
1100 U7=U7+31
1110 U7=U7+31
1120 U7=U7+30
1130 U7=U7+31
1140 U7=U7+30
1150 U7=U7+31
1160 U7=U7+28
1170 U7=U7+31
1180 U9=U7+U6+U0*1000: RETURN
1190 Q6#="E": RETURN
1200 DEFFN '222(U8#): COSUB '245(U8#,5,0): GOSUB '223(Q9): COSUB '221(U
9#): COSUB '248(1,0,3): PRINT "IS DATE OK? (Y/N)",U9#,U9
1210 COSUB '244(1): IF Q6#="N" THEN 1200: IF Q6#<>"Y" THEN 1210: RETUR
N
1220 DEFFN '223(U9): U1=INT(U9/1E3): U2=U9-U1*1E3: U3=1-SCN(U1-INT(U1/4
))*4: IF U2<=334+U3 THEN 1230: U4=U2-334-U3: U5=12: GOTO 1340
1230 IF U2<=304+U3 THEN 1240: U4=U2-304-U3: U5=11: GOTO 1340
1240 IF U2<=273+U3 THEN 1250: U4=U2-273-U3: U5=10: GOTO 1340
1250 IF U2<=243+U3 THEN 1260: U4=U2-243-U3: U5=9: GOTO 1340
1260 IF U2<=212+U3 THEN 1270: U4=U2-212-U3: U5=8: GOTO 1340
1270 IF U2<=181+U3 THEN 1280: U4=U2-181-U3: U5=7: GOTO 1340
1280 IF U2<=151+U3 THEN 1290: U4=U2-151-U3: U5=6: GOTO 1340
1290 IF U2<=120+U3 THEN 1300: U4=U2-120-U3: U5=5: GOTO 1340
1300 IF U2<=90+U3 THEN 1310: U4=U2-90-U3: U5=4: GOTO 1340
1310 IF U2<=59+U3 THEN 1320: U4=U2-59-U3: U5=3: GOTO 1340
1320 IF U2<=31 THEN 1330: U4=U2-31: U5=2: GOTO 1340
1330 U4=U2: U5=1
1340 CONVERT U5 TO STR(U9#,1,2),(#): CONVERT U4 TO STR(U9#,4,2),(#): C
ONVERT U1 TO STR(U9#,7,2),(#): STR(U9#,3,1),STR(U9#,6,1)="/": RETURN
1350 DEFFN '224(Q9): U2=INT(365.25*(INT(Q9/1E3)-1))+Q9-INT(Q9/1E3)*1E3:
Q9=INT((U2)/365.25): Q9=Q9*1E3+(U2-INT(365.25*Q9))*1E3: RETURN
1360 DEFFN '225(U1,U2): U3=INT(365.25*(INT(U2/1E3)-1))+U2-INT(U2/1E3)*1
E3: U3=U3-(INT(365.25*(INT(U1/1E3)-1))+U1-INT(U1/1E3)*1E3): RETURN
1370 DEFFN '242(W0,Q6#): IF W0<=0 THEN 1390: IF W0=1 THEN 1380: STR(Q6#,2
)=STR(Q6#,1,W0-1)
1380 PRINT Q6#:
1390 RETURN
1400 DEFFN '243(Q6#,Q0): COSUB 1520
1410 SELECT C0205: Q6#=" ": INPUT Q6#: IF Q0=0 THEN 1550: IF LEN(Q6#)<
=Q0 THEN 1550: COSUB 1510
1420 DEFFN '244(Q0): COSUB 1540: GOSUB 1530: GOTO 1410
1430 DEFFN '245(Q6#,Q2,Q3): Q0=ABS(Q2)+Q3+1: COSUB 1520
1440 IF ABS(Q2)+ABS(Q3)=0 THEN 1450: GOSUB '242(ABS(Q2)+2,HEX(Q9)): PRI
NT "/": GOTO 1460
1450 PRINT " "
1460 GOSUB 1540: SELECT C0205: Q9,W0=-1E-99: INPUT Q9: IF W0=Q9 THEN 14
70: IF ABS(Q2)+Q3=0 THEN 1500: IF Q9>=0 THEN 1490: IF Q2<=0 THEN 1490

```

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1470 GOSUB 1510
1480 DEFFN '246(Q2,Q3): Q0=ABS(Q2)+Q3+1: GOSUB 1540: GOSUB 1530: GOTO 1
440
1490 IF ABS(Q9)>=10+ABS(Q2) THEN 1470: W0=ABS(Q9+10+Q3): IF INT(W0)<W0
THEN 1470
1500 GOSUB '248(3,0,1): RETURN
1510 GOSUB '248(3,0,1): PRINT "RE-ENTER": RETURN
1520 SELECT PRINT 005(64),C0005: PRINT HEX(010A);STR(Q6#,1):
1530 SELECT PRINT 005(64),C0005: GOSUB '242(Q0+2,"-"): PRINT TAB(64)
1540 PRINT HEX(010A0A): RETURN
1550 PRINT HEX(0A);TAB(64): SELECT PRINT 005(64),C0005: RETURN
1560 DEFFN '248(Q6,Q7,Q8): GOSUB 1580: IF Q8<1 THEN 1570: GOSUB 1570: SE
LECT PRINT 205: Q6#=" ": PRINT STR(Q6#,Q7+1): IF Q8<2 THEN 1570: FOR W0
=2 TO Q8: PRINT HEX(0A);STR(Q6#,1): NEXT W0
1570 PRINT HEX(01): GOSUB '242(Q7,HEX(09)): GOSUB '242(Q6,HEX(0A))
1580 SELECT PRINT 005(64),C0005: RETURN
1750 DEFFN '27(J1,J2): GOSUB '225 (J1,J2): D3=U3
1760 REM --- IS DUE DATE = HOLIDAY ? YES T1=1, NO T1=0
1770 GOSUB '29(D2#): CONVERT STR(D2#,4,2) TO D2: CONVERT STR(D2#,1,2)
TO M2: CONVERT STR(D2#,7,2) TO Y2: IF T1=0 THEN 1780: IF T1=1 THEN 18
40: GOTO 1770
1780 GOSUB '28(D2,M2,Y2): ON Y+1 GOTO 1790,1810,1810,1810,1810,1810,1
820
1790 REM --- DUE DATE = SUN : J2=J2+1: GOSUB '224(J2): GOSUB '223(Q9):
GOSUB '29(U9#): IF T1=1 THEN 1800: T2=1: REM MON.=NOT HOLIDAY: GOTO 1
900
1800 T2=2: REM MON.=HOLIDAY: GOTO 1900
1810 T2=0: REM --- DUE DATE = MON., FRI.: GOTO 1900
1820 REM --- DUE DATE = SAT.: J2=J2+2: GOSUB '224(J2): GOSUB '223(Q9):
GOSUB '29(U9#): IF T1=1 THEN 1830: T2=2: REM MON.=NOT HOLIDAY: GOTO 19
00
1830 T2=3: REM MON.=HOLIDAY: GOTO 1900
1840 GOSUB '28(D2,M2,Y2): ON Y+1 GOTO 1850,1860,1870,1870,1860,1890,1
850
1850 T2=0: REM --- DUE DATE = SUN., SAT. NO THIS CONDITION: GOTO 1900
1860 T2=1: REM --- DUE DATE = MON., THU.: GOTO 1900
1870 REM --- DUE DATE = TUE. OR WED: J2=J2+1: GOSUB '224(J2): GOSUB '
223(Q9): GOSUB '29(U9#): IF T1=1 THEN 1880: T2=1: GOTO 1900
1880 T2=2: GOTO 1900
1890 T2=3: REM --- FRI.=HOLIDAY
1900 T=D3+T2+1: REM --- NUMBER OF DAYS
1910 RETURN
1920 DEFFN '28(D2,M2,Y2): REM FIND DAY OF YEAR: Y=Y2+1900
1930 IF M2>2 THEN 1940: M2=M2+12: Y=Y-1
1940 N1=D2+2*M2+INT(.6*(M2+1))+Y+INT(Y/4)-INT(Y/100)+INT(Y/400)+2
1950 N1=INT((N1/7-INT(N1/7))*7+.5)
1960 IF N1>0 THEN 1970: REM SAT: Y=6: RETURN
1970 IF N1>1 THEN 1980: REM SUN: Y=0: RETURN
1980 IF N1>2 THEN 1990: REM MON: Y=1: RETURN
1990 IF N1>3 THEN 2000: REM TUE: Y=2: RETURN
2000 IF N1>4 THEN 2010: REM WED: Y=3: RETURN
2010 IF N1>5 THEN 2020: REM THR: Y=4: RETURN
2020 Y=5: REM FRI=5: RETURN
2030 DEFFN '29 (U9#): REM ---- CHECK HOLIDAY FORM 'MM/DD/YY' (HOLIDAY
S NO. SUN. AND SAT.)
2040 X#(1)="01/02/7802/07/7802/22/7804/06/7804/13/7805/01/7805/05/780
5/22/78"
2050 X#(2)="07/20/7808/14/7810/23/7812/05/7812/11/7812/25/7801/01/790
0/00/79"
2060 X#(3)=" "
2070 X#(4)=" "
2080 FOR I=1 TO 4: FOR J=1 TO 64 STEP 8
2090 IF U9#<STR(X#(I),J,8) THEN 2100: T1=0: GOTO 2110
2100 T1=1: J=64: I=4
2110 NEXT J: NEXT I: RETURN
2120 DEFFN '50: SELECT PRINT 215(132)
2130 IF K<>0 THEN 2140: GOSUB '51
2140 K=K+1: L=L+1: IF K=45 THEN 2150: GOSUB '51: K=1

```



```

2150 PRINTUSING 2160,L,C2$,M,D2$,N,D,B,D+B:GOSUB '1: RETURN
2160 X### ##### ##,###,###.## ##### ## #,###,### #
##,### #,###,###
2170 DEFFN '51: PRINT HEX(0C0A0A0A0A0A0A0E):"CODE:";C#;TAB(28);"ITEM#
:V2$: PRINT HEX(0A0E);"NAME:";N#
2180 PRINT HEX(0A);"Date(MM/DD/YY):";I2#;TAB(28);"Rate:";R#;TAB(40)
:"Up=";Y#;" days";TAB(52);"Discount=";L#;" day"
2190 PRINTUSING 2200: PRINTUSING 2210: PRINTUSING 2200: RETURN
2200 X

```

2210 XNO.	CHEQUE NO.	AMOUNT	DUE DATE	DAYS	DISCOUNT	BA
NKCHARGE	TOTAL					
2220	DEFFN '52: SELECT PRINT 215(132): PRINTUSING 2200: PRINTUSING 223					
0,M0,D0,B0,D0+B0:	PRINTUSING 2200: K,L=0: RETURN					
2230 XTOTAL		##,###,###.##			#,###,###	#
##,###	#,###,###					



## ประวัติ

นางสาว ศิริรัช ปราณมนตรี เกิดเมื่อวันที่ 25 กรกฎาคม พ.ศ.2494 ที่อำเภอเมืองฯ จังหวัดนครสวรรค์ สำเร็จการศึกษาปริญญาวิทยาศาสตรบัณฑิต สาขาสถิติจากมหาวิทยาลัยเกษตรศาสตร์ เมื่อ พ.ศ.2518 ปัจจุบันทำงานตำแหน่ง Senior Programmer ของบริษัทเกรียงพัฒน ราชคำรือาเขต ชั้น 4 กรุงเทพมหานคร