

บรรณานุกรม

ภาษาไทย

- กรุงเทพฯ ๑ จำกัด, ธนาคาร. 2516. คำอธิบายประกาศของคณะปฏิวัติฉบับที่ 206
แก้ไขเพิ่มเติมประมวลรัษฎากร. พระนคร. ธนาคารกรุงเทพจำกัด.
- นิยม ปุราคำ, 2516. ความรู้เบื้องต้นเกี่ยวกับคอมพิวเตอร์. พระนคร
 สำนักงานสถิติแห่งชาติ.
- บัญชีกลาง, กรม. 2510. คู่มือการบัญชีสำหรับส่วนราชการในส่วนภูมิภาค. พระนคร
 โรงพิมพ์สหกรณ์ชายส่งแห่งประเทศไทย.
- บัญชีกลาง, กรม. 2510. คู่มือการบัญชีส่วนราชการ. พระนคร. โรงพิมพ์
 สหกรณ์ชายส่งแห่งประเทศไทย.
- พนัส สิมะเสถียร. 2511. การบัญชีรัฐบาล. พระนคร. เจริญสินการพิมพ์.
- พัฒนากำลังคน, กอง. 2512. คู่มือการปฏิบัติราชการสำหรับข้าราชการ. พระนคร
 สำนักงานวิชาการและวางแผน กระทรวงพัฒนาการแห่งชาติ.
- สรรพากร, กรม. 2514. ประมวลรัษฎากรแก้ไขเพิ่มเติม (ฉบับที่ 20) พ.ศ. 2513.
 พระนคร. กระทรวงการคลัง
- สถิติแห่งชาติ, สำนักงาน. 2516. รายงานประจำปี 2515. พระนคร.
 สำนักงานสถิติแห่งชาติ.
- อาคม เนียมอุทัย, 2515. เอกสารประกอบการสัมมนาครั้งที่ 4. พระนคร.
 สำนักงานสถิติแห่งชาติ.
- อาภรณ์ นารตติเรก, 2516, ประมวลรัษฎากร พร้อมคำอธิบายพิพากษาฎีกาโดยย่อ.
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ภาษาอังกฤษ

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ภาคผนวก

ผนวก ก.

แบบกรอกประวัติบุคคล

ชื่อและนามสกุล..... เพศ.....

อายุ.....ปี.....เดือน วัน/เดือน/ปี เกิด.....สถานที่เกิด.....

ที่อยู่ปัจจุบัน.....

สถานภาพสมรส 1. โสด 2. สมรส 3. หม้าย 4. แยกกันอยู่ 5. หย่าร้าง

จำนวนบุตร.....คน

ฐานะในสวนราชการ.....แผนก.....กอง.....

กรม.....กระทรวง.....

เลขที่จากอัตรากำลัง.....เลขที่ตามบัญชีเงินเดือน.....

ชั้น.....อันดับ.....ชั้น.....วันที่บรรจุ.....

ประวัติการศึกษาจบมัธยมศึกษาปีที่ 5 จากโรงเรียน/วิทยาลัย.....

เมื่อปี พ.ศ.....จบชั้นอุดมศึกษาจาก มหาวิทยาลัย/วิทยาลัย.....

ประกาศนียบัตร/ปริญญาบัตร ที่ได้รับสาขา.....เมื่อปี พ.ศ.....

จบสูงกว่าชั้นอุดมศึกษาจากมหาวิทยาลัย/วิทยาลัย.....

สาขา.....เมื่อปี พ.ศ.....

ผนวก ข.

ทะเบียนการจ่ายเงินเดือน

ประจำเดือน.....

เลขที่ตามบัญชีเงินเดือน (1)	ชื่อและนามสกุล (2)	ชั้น (3)	อันดับ (4)	ชั้น (5)	เงินเพิ่ม (6)	รวมรับ (7)	เงินสะสม (8)	รับจริง (9)



ผนวก ค.

รายการหักและรับเงินประจำเดือน

ลายเซ็น.....

วัน/เดือน/ปี

เลขที่ตามบัญชีเงินเดือน(1)	ชื่อและนามสกุล(2)	ชั้น(3)	เงินเพิ่ม(4)	รวมรับ(5)	เงินสะสม(6)	ภาษี(7)	รับจริง(8)

Program ผนวก ง,
 แสดงการแก้ไขความผิดพลาดของข้อมูล

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1  C1CC10 IDENTIFICATION DIVISION.
2  C1CC20 PROGRAM-ID. 'CUBAUR'.
3  C1CC30 ENVIRONMENT DIVISION.
4  C1CC40 INPUT-OUTPUT SECTION.
5  C1CC50 FILE-CONTROL.
6  C1C051      SELECT CONT-IN ASSIGN 'SYS004' UNIT-RECORD 2540R.
7  C1C060      SELECT CARD-IN ASSIGN 'SYS012' UTILITY 2400.
8  C1C070      SELECT DATA-IN ASSIGN 'SYS013' UTILITY 2400.
9  C1C080      SELECT UPDATED ASSIGN 'SYS014' UTILITY 2400.
10 C1CC90      SELECT PRINT-O ASSIGN 'SYS006' UNIT-RECORD 1403.
11 C1C100 DATA DIVISION.
12 C1C110 FILE SECTION.
13 C1C111 FD CONT-IN
14 C1C112      RECORDING MODE IS F LABEL RECORD IS OMITTED
15 C1C113      DATA RECORD IS IN-CON.
16 C1C114 CI IN-CON PICTURE X(80).
17 C1C120 FD DATA-IN
18 C1C130      RECCRDING MODE IS F
19 C1C140      LABEL RECCRD IS OMITTED
20 C1C150      BLOCK CONTAINS 10 RECORDS
21 C1C160      DATA RECCRD IS D-IN.
22 C1C170 CI D-IN PICTURE X(81).
23 C1C180 FD UPDATED
24 C1C190      RECORDING MODE IS F
25 C1C200      LABEL RECCRD IS OMITTED
26 C2CC10      BLOCK CONTAINS 10 RECORDS
27 C2C020      DATA RECCRD IS U-CUT.
28 C2CC30 CI U-OUT PICTURE X(81).
29 C2CC40 FD CARD-IN
30 C2C050      RECORDING MODE IS F LABEL RECCRD IS OMITTED
31 C2CC60      BLOCK CONTAINS 10 RECCRDS DATA RECORD IS C-IN.
32 C2CC70 CI C-IN PICTURE X(81).
33 C2C080 FD PRINT-O
34 C2CC90      RECCRDING MODE IS F LABEL RECCRD IS OMITTED
35 C2C100      DATA RECORD IS P-CUT.
36 C2C110 CI P-OUT PICTURE X(133).
37 C2C120 WORKING-STORAGE SECTION.
38 C2C130 77 LINE-COUNT PICTURE 99 VALUE ZERO.
39 C2C140 77 PAGE-COUNT PICTURE 999 VALUE 1.
40 C2C150 77 A-COUNT PICTURE 9(7) VALUE ZERO.
41 C2C160 77 B-COUNT PICTURE 9(7) VALUE ZERO.
42 C2C170 77 C-COUNT PICTURE 9(7) VALUE ZERO.
43 C2C180 77 ANS PICTURE X VALUE SPACE.
44 C2C190 77 SW-CSE0 PICTURE 9 VALUE ZERO.
45 C2C200 77 SW-DEL PICTURE 9 VALUE ZERO.
46 C3CC10 77 SW-NINE PICTURE 9 VALUE ZERO.
47 C3CC20 77 SW-DSE0 PICTURE 9 VALUE ZERO.
48 C3CC30 77 I PICTURE 99 VALUE ZERO COMPUTATIONAL.
49 C3CC40 77 SWEND PICTURE 9 VALUE ZERO.
50 C3C050 77 SLM PICTURE 99 VALUE ZERO COMPUTATIONAL.
51 C3CC60 77 SWERR PICTURE 9 VALUE ZERO.
52 C3C070 77 J PICTURE 99 VALUE ZERO COMPUTATIONAL.
53 C3C080 77 M PICTURE 99 VALUE ZERO COMPUTATIONAL.
54 C3CC90 77 N PICTURE 99 VALUE ZERO COMPUTATIONAL.

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LINE NO. SEQ. NO.

SOURCE STATEMENT

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55 03C100 77 X PICTURE 99 VALUE ZERO COMPUTATIONAL.
56 03C110 77 STORE_DATA PICTURE X(80) VALUE SPACE.
57 03C120 77 STORE-CARD PICTURE X(80) VALUE SPACE.
58 03C130 C1 CON-AREA.
59 03C140 02 OPT PICTURE X.
60 03C150 02 PIC-X.
61 03C160 03 FILLER OCCURS 9 TIMES.
62 03C170 04 PCS PICTURE XX.
63 03C180 04 LEN PICTURE XX.
64 03C190 02 PIC-N REDEFINES PIC-X.
65 03C200 03 FILLER OCCURS 9 TIMES.
66 04C010 04 BPCS PICTURE 99.
67 04C020 04 BLEN PICTURE 99.
68 04C030 02 FILLER PICTURE X(43).
69 04C040 C1 BINA-AREA.
70 04C050 02 FILLER OCCURS 9 TIMES.
71 04C060 03 NPOS PICTURE 99 COMPUTATIONAL.
72 04C070 03 NLEN PICTURE 99 COMPUTATIONAL.
73 04C080 C1 DATA-IDEN.
74 04C090 02 DIDEN OCCURS 80 TIMES PICTURE X.
75 04C100 C1 CARD-IDEN.
76 04C110 02 CIDEN OCCURS 80 TIMES PICTURE X.
77 04C120 C1 CARD-AREA.
78 04C130 02 WCARD OCCURS 81 TIMES PICTURE X.
79 04C140 C1 DATA-AREA.
80 04C150 02 WDATA OCCURS 81 TIMES PICTURE X.
81 04C160 C1 HEAD_LINE.
82 04C170 02 FILLER PICTURE X(20) VALUE ' COLUMN NUMBER '.
83 04C180 02 FILLER PICTURE X(20) VALUE '.....5.....1.....5.....2'.
84 04C190 02 FILLER PICTURE X(20) VALUE '.....5.....3.....5.....4'.
85 04C200 02 FILLER PICTURE X(20) VALUE '.....5.....5.....5.....6'.
86 05C010 02 FILLER PICTURE X(20) VALUE '.....5.....7.....5.....8'.
87 05C020 02 FILLER PICTURE X(33) VALUE SPACE.
88 05C030 C1 REAL-LINE.
89 05C040 02 MESS PICTURE X(20) VALUE SPACE.
90 05C050 02 RCON PICTURE X(80).
91 05C060 02 FILLER REDEFINES RCCN.
92 05C070 03 P-COUNT PICTURE 2(6)9.
93 05C080 03 FILLER PICTURE X(73).
94 05C090 02 FILLER PICTURE XX VALUE SPACE.
95 05C100 02 SAGE PICTURE X(20) VALUE SPACE.
96 05C110 02 FILLER PICTURE X(10) VALUE SPACE.
97 05C120 C1 HEAD-1.
98 05C130 02 FILLER PICTURE X(44) VALUE SPACE.
99 05C140 02 FILLER PICTURE X(20) VALUE 'PROGRAM STANDARD UPD'.
100 05C150 02 FILLER PICTURE X(20) VALUE 'ATE BY ASCENDING SEQ'.
101 05C160 02 FILLER PICTURE X(5) VALUE 'UENCE'.
102 05C170 02 FILLER PICTURE X(44) VALUE SPACE.
103 05C180 C1 HEAD_2.
104 05C190 02 FILLER PICTURE X(46) VALUE SPACE.
105 05C200 02 FILLER PICTURE X(20) VALUE 'PROGRAMMER : OUBAUR '.
106 06C010 02 FILLER PICTURE X(20) VALUE 'KRUTHANOOCH DPC NSO '.
107 06C020 02 FILLER PICTURE X(47) VALUE SPACE.
108 06C030 C1 LIST_CC.

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LINE NO.	SEQ. NO.	SOURCE STATEMENT
109	06CC4C	02 FILLER PICTURE X(55) VALUE SPACE.
110	06CC5C	02 FILLER PICTURE X(20) VALUE 'LISTING OF CONTROL C'.
111	06CC6C	02 FILLER PICTURE X(3) VALUE 'ARD'.
112	06CC7C	02 FILLER PICTURE X(55) VALUE SPACE.
113	06CC8C 01	LIST-UP.
114	06CC9C	02 FILLER PICTURE X(55) VALUE SPACE.
115	06C10C	02 FILLER PICTURE X(22) VALUE 'LISTING OF UPDATE DATA'.
116	06C11C	02 FILLER PICTURE X(43) VALUE SPACE.
117	06C12C	02 FILLER PICTURE X(6) VALUE 'PAGE '.
118	06C13C	02 PAGE-NO PICTURE ZZ9.
119	06C14C	02 FILLER PICTURE X(4) VALUE SPACE.
120	06C15C C1	INVAL-LINE.
121	06C16C	02 FILLER PICTURE X(3) VALUE SPACE.
122	06C17C	02 FILLER PICTURE X(20) VALUE 'JOB UPDATE CANCELED '.
123	06C18C	02 FILLER PICTURE X(20) VALUE 'DUE TO INVALID CONTR'.
124	06C19C	02 FILLER PICTURE X(7) VALUE 'OL CARD'.
125	06C20C	02 FILLER PICTURE X(83) VALUE SPACE.
126	C7CC1C	PROCEDURE DIVISION.
127	C7CC2C	OPEN INPLT CONT-IN OUTPUT PRINT-O.
128	C7CC3C	CON-READ.
129	C7CC4C	READ CONT-IN INTO CCN-AREA AT END GO TO CON-INVAL.
130	C7CC5C	PERFORM CON-TEST VARYING I FROM 1 BY 1 UNTIL I > 9.
131	C7CC6C	CON-END.
132	C7CC7C	IF SWERR = 1 MOVE 0 TO SWERR GO TO CON-INVAL.
133	C7CC8C	MOVE ZERO TO SUM.
134	C7CC9C	PERFORM CON-SUM VARYING I FROM 1 BY 1 UNTIL I > X.
135	C7C10C	IF SUM > 80 GO TO CON-INVAL.
136	C7C11C	CON-OK.
137	C7C12C	WRITE P-CUT FROM HEAD_1 AFTER 0.
138	C7C13C	WRITE P-CUT FROM HEAD-2 AFTER 2.
139	C7C14C	WRITE P-CUT FROM LIST-CC AFTER 2.
140	C7C15C	WRITE P-CUT FROM HEAD-LINE AFTER 2.
141	C7C16C	MOVE CON-AREA TO RCCN.
142	C7C17C	MOVE ' CONTROL CARD ' TO MESS.
143	C7C18C	WRITE P-OUT FROM REAL-LINE AFTER 1.
144	C7C19C	MOVE SPACE TO MESS.
145	C7C20C	START-UPDATE.
146	08CC1C	OPEN INPLT CARD-IN DATA-IN OUTPUT UPDATED.
147	08CC2C	MOVE SPACE TO CARD-IDEN.
148	08CC3C	MOVE SPACE TO DATA-IDEN.
149	08CC4C	PERFORM CCN-MOVE VARYING I FROM 1 BY 1 UNTIL I > X.
150	08CC5C	GO TO UP-LOOP.
151	08CC6C	CON-INVAL.
152	08CC7C	PERFORM CON-OK.
153	08CC8C	WRITE P-OUT FROM INVAL-LINE AFTER 2.
154	08CC9C	CLOSE CONT-IN PRINT-O STOP RUN.
155	08C10C	CON_TEST.
156	08C11C	IF POS (I) = SPACE AND LEN (I) = SPACE
157	08C12C	SUBTRACT 1 FROM I MOVE I TO X GO TO CCN-END.
158	08C13C	IF BPOS (I) NOT NUMERIC MOVE 1 TO SWERR GO TO CON-END.
159	08C14C	IF BPOS (I) > 80 MOVE 1 TO SWERR GO TO CON-END.
160	08C15C	IF BLEN (I) NOT NUMERIC MOVE 1 TO SWERR GO TO CON-END.
161	08C16C	CON_SUM.
162	08C17C	ADD BLEN (I) TO SUM.

LINE NO.	SEQ. NO.	SOURCE STATEMENT
163	C8C18C	CON-MOVE.
164	08C19C	MOVE BPCS (I) TO NPCS (I).
165	C8C20C	MOVE BLEN (I) TO NLEN (I).
166	C9CC1C	DATA-READ.
167	C9C020	READ DATA-IN INTO DATA-AREA AT END GO TO DATA-NEW.
168	C9CC30	IF DATA-AREA = SPACE GO TO DATA_READ.
169	C9C040	IF DATA-AREA = ALL '9' MOVE 1 TO SW-NINE GO TO DATA-NEW.
170	C9C05C	MOVE ZERC TO M.
171	C9CC6C	ADD 1 TO A-COUNT.
172	C9CC7C	PERFORM DATA-ONE VARYING I FROM 1 BY 1 UNTIL I > X.
173	C9CC8C	DATA-SEQ.
174	C9CC9C	IF SW-DSEQ = 1 GO TO DATA-END.
175	C9C10C	IF DATA-IDEN < STORE-DATA
176	C9C101	MOVE STORE-DATA TO RCON
177	C9C102	MOVE 'DATA-SEQUENCE ERROR ' TO SAGE
178	C9C103	MOVE ' DATA-SEQUENCE ERROR' TO MESS PERFORM WRITE_P
179	C9C11C	MOVE 'DATA-SEQUENCE ERROR ' TO SAGE
180	C9C12C	MOVE ' DATA-SEQUENCE ERROR' TO MESS
181	C9C13C	MOVE DATA-AREA TO RCON
182	C9C14C	MOVE 1 TO SW-DSEQ
183	C9C15C	PERFORM WRITE-P.
184	C9C16C	MOVE SPACE TO MESS.
185	C9C17C	MOVE DATA_IDEN TO STORE_DATA.
186	C9C18C	DATA-END.
187	C9C19C	EXIT.
188	C9C20C	DATA_ONE.
189	10CC1C	ADD NLEN (I) NPCS (I) GIVING N.
190	10CC2C	PERFORM DATA-TWO VARYING J FROM NPCS (I) BY 1 UNTIL J = N.
191	10CC3C	DATA_TWO.
192	10CC4C	ADD 1 TO M.
193	10CC5C	MOVE WDATA (J) TO DIDEN (M).
194	10CC6C	DATA-NEW.
195	10CC61	DISPLAY ' DATA FILE UNIT 183 ' UPON CONSOLE.
196	10CC7C	DISPLAY ' IF ECJ GIVE Y IF NOT GIVE N ' UPON CONSOLE.
197	10CC8C	DATA-AGAIN.
198	10CC9C	ACCEPT ANS FROM CONSOLE.
199	10C10C	IF ANS = 'Y' MOVE ALL '9' TO DATA-IDEN GO TO DATA-END.
200	10C11C	IF ANS = 'N' CLOSE DATA-IN
201	10C12C	STOP ' CHANGE NEW TAPE '
202	10C13C	OPEN INPUT DATA-IN GO TO DATA-READ.
203	10C14C	DISPLAY ' WRONG ANSWER ' UPON CONSOLE.
204	10C15C	GO TO DATA-AGAIN.
205	10C16C	CARD-READ.
206	10C17C	READ CARD-IN INTO CARD-AREA AT END GO TO CARD-NEW.
207	10C18C	IF CARD-AREA = SPACE GO TO CARD-READ.
208	10C19C	IF CARD-AREA = ALL '9' MOVE 1 TO SW-NINE GO TO CARD-NEW.
209	10C20C	MOVE ZERC TO M. ADD 1 TO B-COUNT.
210	11CC1C	PERFORM CARD-ONE VARYING I FROM 1 BY 1 UNTIL I > X.
211	11CC2C	CARD-SEC.
212	11CC3C	IF SW-CSEQ = 1 GO TO CARD-END.
213	11CC4C	IF CARD-IDEN < STORE-CARD
214	11CC41	MOVE STORE-CARD TO RCON
215	11CC42	MOVE 'UPDATE-SEQUENCE ERR.' TO SAGE
216	11CC43	MOVE ' UPDATE-SEQUENCE ER.' TO MESS PERFORM WRITE-P

LINE NO. SEQ. NO.

SOURCE STATEMENT

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217 110050 MOVE 'UPDATE-SEQUENCE ERR.' TC SAGE
218 110060 MOVE ' UPDATE_SEQUENCE ER.' TC MESS
219 110070 MOVE CARD-AREA TC RCCN MOVE 1 TO SW-CSEO
220 110080 PERFORM WRITE-P.
221 110090 MOVE SPACE TO MESS.
222 110100 MOVE CARD-IDEN TO STORE-CARD.
223 110110 CARD-END.
224 110120 EXIT.
225 110130 CARD-CNE.
226 110140 ADD NLEN (I) NPCS (I) GIVING N.
227 110150 PERFORM CARD-TWC VARYING J FROM NPCS (I) BY 1 UNTIL J = N.
228 110160 CARD-TWC.
229 110170 ADD 1 TO M.
230 110180 MOVE WCARD (J) TC CIDEN (M).
231 110190 CARD-NEW.
232 110191 DISPLAY ' UPDATE FILE UNIT 182 ' UPON CONSOLE.
233 110200 DISPLAY ' IF ECJ GIVE Y IF NCT GIVE N ' UPON CONSOLE.
234 120010 CARD-AGAIN.
235 120020 ACCEPT ANS FROM CONSOLE.
236 120030 IF ANS = 'Y' MOVE ALL '9' TC CARD-IDEN GO TO CARD-END.
237 120040 IF ANS = 'N' CLOSE CARD-IN STCP ' CHANGE NEW TAPE '
238 120050 OPEN INPLT CARD-IN GO TC CARD-READ.
239 120060 DISPLAY ' WRONG ANSWER ' UPON CONSOLE.
240 120070 GO TO CARD-AGAIN.
241 120080 UP-LOOP.
242 120090 PERFORM DATA-READ THRU DATA-END.
243 120100 UP-1.
244 120110 PERFORM CARD_READ THRU CARD_END.
245 120120 UP-COMPARE.
246 120130 IF DATA-IDEN < CARD-IDEN
247 120140 WRITE U-CUT FROM DATA-AREA ACC 1 TO C-COUNT
248 120150 PERFORM DATA-READ THRU DATA-END
249 120160 GO TO UP_COMPARE.
250 120170 IF DATA-IDEN = CARD-IDEN GO TO UP-SAME.
251 120180 IF WCARD (80) = '*' GO TC UP-NODEL.
252 120190 IF OPT = 'L' MOVE 'ADDTICN ' TO SAGE
253 120200 MOVE CARD-AREA TC RCON
254 130010 PERFORM WRITE-P.
255 130020 WRITE U-CUT FROM CARD-AREA.
256 130030 ADD 1 TO C-COUNT.
257 130040 GO TO UP_1.
258 130050 UP-SAME.
259 130060 IF DATA-IDEN = ALL '9' GO TC END-JOB.
260 130070 IF WCARD (80) = '*' GO TO UP_DELETE.
261 130080 IF OPT = 'L' MOVE 'REPLACE ' TO SAGE
262 130090 MOVE CARD-AREA TC RCON
263 130100 PERFORM WRITE-P.
264 130110 WRITE U-CUT FROM CARD-AREA.
265 130120 ADD 1 TO C-COUNT.
266 130130 DE_AFTER_RE.
267 130131 PERFORM DATA-READ THRU DATA-END.
268 130132 IF DATA-IDEN NCT = CARD-IDEN GO TO UP-1.
269 130133 GO TO DE-AFTER-RE.
270 130140 UP-DELETE.

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LINE NO. SEQ. NO.

SOURCE STATEMENT

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271 130150 IF SW-DEL = 1 GO TO UP-DEL-CNE.
272 130160 IF OPT = 'L' MCVE 'DELETE ' TO SAGE
273 130170 MCVE CARD-AREA TO RCON
274 130180 PERFORM WRITE-P.
275 130190 UP-DEL-CNE.
276 130200 PERFORM DATA-READ THRU DATA-END.
277 140010 MOVE 1 TO SW_DEL.
278 140020 GO TO UP-COMPARE.
279 140030 UP-NODEL.
280 140040 IF SW_DEL = 1 MCVE 0 TO SW_DEL GO TO UP_1.
281 140050 MOVE 'NO RECORD TO DELETE ' TO SAGE.
282 140060 MOVE CARD-AREA TO RCCN.
283 140070 PERFORM WRITE-P.
284 140080 GO TO UP-1.
285 140090 END-JOB.
286 140100 IF SW-NINE = 1 WRITE U-CUT FROM DATA-AREA
287 140110 ADD 1 TO C-COUNT.
288 140120 WRITE P-CUT FROM HEAD-LINE AFTER 1.
289 140130 MOVE SPACE TO REAL-LINE.
290 140140 MOVE ' NO OF DATA-READ = ' TO MESS.
291 140150 MOVE A-COUNT TO P-COUNT.
292 140160 WRITE P-OUT FROM REAL-LINE AFTER 2.
293 140170 MOVE ' NO OF UPDATE = ' TO MESS.
294 140180 MOVE B-COUNT TO P-COUNT.
295 140190 WRITE P-OUT FROM REAL-LINE AFTER 2.
296 140200 MOVE ' NO OF UPDATED = ' TO MESS.
297 150010 MOVE C-COUNT TO P-COUNT.
298 150020 WRITE P-OUT FROM REAL-LINE AFTER 2.
299 150030 CLOSE CARD-IN PRINT-C DATA-IN UPDATED CONT-IN.
300 150040 STOP RUN.
301 150050 WRITE-P.
302 150060 IF LINE-COUNT = 0 MOVE PAGE-COUNT TO PAGE-NO
303 150070 WRITE P-OUT FROM LIST-UP AFTER 0
304 150080 WRITE P-CUT FROM HEAD-LINE AFTER 2.
305 150090 ADD 1 TO LINE-COUNT.
306 150100 WRITE P-OUT FROM REAL-LINE AFTER 1.
307 150110 IF LINE-COUNT = 50 MOVE 0 TO LINE-COUNT
308 150120 ADD 1 TO PAGE-COUNT
309 150130 WRITE P-OUT FROM HEAD-LINE AFTER 1.
```

ผนวก จ.

Program แสดงการสั่งให้คอมพิวเตอร์ทำงานเป็นกรจ่ายเงิน



```

1 IDENTIFICATION DIVISION.
2 PROGRAM-ID.
3 'REGISTER'.
4 AUTHOR. NIKOM.
5 ENVIRONMENT DIVISION.
6 CONFIGURATION SECTION.
7 INPUT-OUTPUT SECTION.
8 FILE-CONTROL.
9     SELECT INPUT-F ASSIGN TO 'SYS004' UNIT-RECORD 2540R.
10    SELECT PRINT-O ASSIGN TO 'SYS006' UNIT-RECORD 1403.
11 DATA DIVISION.
12 FILE SECTION.
13 FD INPUT-F
14     RECORDING MODE IS F
15     LABEL RECORD IS OMITTED
16     DATA RECORD IS MASTER-F.
17     01 MASTER-F PICTURE X(80).
18     FD PRINT-O
19     RECORDING MODE IS F
20     LABEL RECORD IS OMITTED
21     DATA RECORD IS P-O.
22     01 P-O PICTURE X(133).
23 WORKING-STORAGE SECTION.
24     77 SKIP PICTURE X(10) VALUE ' - '.
25     77 J PICTURE 99 VALUE ZERO.
26     77 L-COUNT PICTURE 99 VALUE ZERO.
27     77 COM PICTURE 9(9)V9 VALUE ZERO.
28     77 RESULT PICTURE 9(8)V99 VALUE ZERO.
29     01 TAPE-A.
30         02 C1 PICTURE XX.
31         02 C3 PICTURE XX.
32         02 C5 PICTURE X.
33         02 C6 PICTURE XXX.
34         02 C9 PICTURE XXX.
35         02 C12 PICTURE X.
36         02 C13 PICTURE XX.
37         02 C15 PICTURE XX.
38         02 C17 PICTURE X(24).
39         02 C41 PICTURE X.
40         02 C42 PICTURE X.
41         02 C43 PICTURE XXXX.
42         02 CC43 REDEFINES C43 PICTURE 9(4).
43         02 C47 PICTURE XXX.
44         02 C48 PICTURE XXX.
45         02 CC48 REDEFINES C48 PICTURE 9(3).
46         02 FILLER PICTURE X(28).
47     01 W-A.
48         02 A OCCURS 5 TIMES PICTURE 9(8)V99.
49     01 PRINT-A.
50         02 FILLER PICTURE X(20) VALUE SPACE.
51         02 PAYNO PICTURE XXX.
52         02 FILLER PICTURE XXX VALUE SPACE.
53         02 NAME PICTURE X(24).
54         02 GRADE PICTURE X(10).

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LINE NO. SEQ. NO.

SOURCE STATEMENT

```

55      02  FILLER  PICTURE X(9) VALUE SPACE.
56      02  CLASS  PICTURE X.
57      02  PPP.
58      03  P    OCCURS 5 TIMES PICTURE ZZZ,ZZ9.99.
59      02  FILLER REDEFINES PPP.
60      03  PP   OCCURS 5 TIMES PICTURE X(10).
61      02  FILLER  PICTURE X(13)  VALUE SPACE.
62      01  LINE 1.
63      02  FILLER  PICTURE X(18)  VALUE SPACE.
64      02  FILLER  PICTURE X(24)  VALUE 'PAYROLL          NAME '
65      02  FILLER  PICTURE X(24)  VALUE '          GRADR          C'
66      02  FILLER  PICTURE X(24)  VALUE 'LASS SALARY INCREASE '
67      02  FILLER  PICTURE X(24)  VALUE ' TOTAL ACCUMULATE NE'
68      02  FILLER  PICTURE X(19)  VALUE 'T PAY          '.
69      01  LINE 2.
70      02  FILLER  PICTURE X(20)  VALUE SPACE.
71      02  FILLER  PICTURE XXX     VALUE 'NO.'.
72      02  FILLER  PICTURE X(59)  VALUE SPACE.
73      02  FILLER  PICTURE X(24)  VALUE 'SALARY RECEIVED FUND D'
74      02  FILLER  PICTURE XXX     VALUE 'ED.'.
75      02  FILLER  PICTURE X(24)  VALUE SPACE.
76      01  HEAD-1.
77      02  FILLER  PICTURE X(63)  VALUE SPACE.
78      02  FILLER  PICTURE X(7)   VALUE 'TABLE 3'.
79      02  FILLER  PICTURE X(63)  VALUE SPACE.
80      PROCEDURE DIVISION.
81      OPEN INPUT INPUT-F OUTPUT PRINT-O.
82      PERFORM C-A VARYING J FROM 1 BY 1 UNTIL J > 5.
83      PERFORM HEAD.
84      READ-T.
85      READ INPUT-F INTO TAPE-A AT END GO TO PRINT.
86      IF C41 = '1' MOVE ' SPECIAL ' TO GRADE GO TO ADD-L.
87      IF C41 = '2' MOVE ' FIRST   ' TO GRADE GO TO ADD-L.
88      IF C41 = '3' MOVE ' SECONDD ' TO GRADE GO TO ADD-L.
89      IF C41 = '4' MOVE ' THIRD   ' TO GRADE GO TO ADD-L.
90      IF C41 = '5' MOVE ' FOURTH  ' TO GRADE GO TO ADD-L.
91      GO TO READ-T.
92      ADD-L.
93      IF CC43 NUMERIC ADD CC43 TO A (1) ADD CC43 TO A (3).
94      IF CC48 NUMERIC ADD CC48 TO A (2) ADD CC48 TO A (3).
95      COMPUTE COM ROUNDED = A (3) * 4 / 100.
96      MOVE COM TO A (4). MOVE ZERO TO COM.
97      COMPUTE COM ROUNDED = A (3) - A (4).
98      MOVE COM TO A (5). MOVE ZERO TO COM.
99      MOVE C9 TO PAYNO.
100     MOVE C17 TO NAME.
101     MOVE C42 TO CLASS.
102     PERFORM W-D VARYING J FROM 1 BY 1 UNTIL J > 5.
103     PERFORM C-A VARYING J FROM 1 BY 1 UNTIL J > 5.
104     GO TO READ-T.
105     PRINT.
106     DISPLAY '      '.
107     DISPLAY '      '.
108     DISPLAY '

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PROGRAMMED BY NIKOM'.

LINE NO.	SEQ. NO.	SOURCE STATEMENT
109		CLOSE INPUT-F PRINT-O.
110		STOP RUN.
111	W-D.	
112		IF A (J) = ZERO MOVE SKIP TO PP (J) ELSE MOVE A (J) TO P (J).
113		IF J = 5 WRITE P-O FROM PRINT-A AFTER 2 ADD 2 TO L-COUNT
114		MOVE SPACE TO PRINT-A.
115		IF L-COUNT > 20 MOVE O TO L-COUNT PERFORM HEAD.
116	HEAD.	
117		WRITE P-O FROM HEAD-1 AFTER O.
118		DISPLAY ' '.
119		DISPLAY ' '.
120	-	'NATIONAL STATISTICAL OFFICE'.
121		DISPLAY ' '.
122		DISPLAY ' '.
123		DISPLAY ' '.
124		DISPLAY ' '.
125	-	' PAYROLL REGISTER'.
126		DISPLAY ' '.
127	-	' '.
128	-	'ER /73'.
129		WRITE P-O FROM LINE1 AFTER 2.
130		WRITE P-O FROM LINE2 AFTER 2.
131		DISPLAY ' '.
132		DISPLAY ' '.
133	C-A.	
134		MOVE ZERO TO A (J).

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Program แสดงการตั้งให้คอมพิวเตอร์ทำรายการหักและรับประจำเดือน

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1      IDENTIFICATION DIVISION.
2      PROGRAM-ID.
3          'PAYCHECK'.
4      AUTHOR. NIKOM.
5      ENVIRONMENT DIVISION.
6      CONFIGURATION SECTION.
7      INPUT-OUTPUT SECTION.
8      FILE-CONTROL.
9          SELECT INPUT-F ASSIGN TO 'SYS004' UNIT-RECORD 2540R.
10         SELECT PRINT-O ASSIGN TO 'SYS006' UNIT-RECORD 1403.
11     DATA DIVISION.
12     FILE SECTION.
13     FD  INPUT-F
14         RECORDING MODE IS F
15         LABEL RECORD IS OMITTED
16         DATA RECORD IS MASTER-F.
17     01  MASTER-F PICTURE X(80).
18     FD  PRINT-O
19         RECORDING MODE IS F
20         LABEL RECORD IS OMITTED
21         DATA RECORD IS P-O.
22     01  P-O PICTURE X(133).
23     WORKING-STORAGE SECTION.
24     77  SKIP      PICTURE X(10)    VALUE '      - '.
25     77  J         PICTURE 99      VALUE ZERO.
26     77  L-COUNT  PICTURE 99      VALUE ZERO.
27     77  COM      PICTURE 9(9)V9   VALUE ZERO.
28     77  RESULT  PICTURE 9(8)V99   VALUE ZERO.
29     01  TAPE-A.
30         02  C1      PICTURE XX.
31         02  C3      PICTURE XX.
32         02  C5      PICTURE X.
33         02  C6      PICTURE XXX.
34         02  C9      PICTURE XXX.
35         02  C12     PICTURE X.
36         02  C13     PICTURE XX.
37         02  C15     PICTURE XX.
38         02  C17     PICTURE X(24).
39         02  C41     PICTURE X.
40         02  C42     PICTURE X.
41         02  C43     PICTURE XXXX.
42         02  CC43    REDEFINES C43  PICTURE 9(4).
43         02  C47     PICTURE XXX.
44         02  C48     PICTURE XXX.
45         02  CC48    REDEFINES C48  PICTURE 9(3).
46         02  FILLER PICTURE X(28).
47     01  W-B.
48         02  B      OCCURS 6 TIMES PICTURE 9(8)V99.
49     01  PRINT-B.
50         02  FILLER PICTURE X(20)  VALUE SPACE.
51         02  NO     PICTURE XXX.
52         02  FILLER PICTURE XXX    VALUE SPACE.
53         02  NAM    PICTURE X(24).
54         02  MONE.

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LINE NO. SEQ. NO.

SOURCE STATEMENT

```
55      03 R OCCURS 6 TIMES PICTURE ZZZ,ZZ9.99.
56      02 FILLER REDEFINES MONE.
57      03 RR OCCURS 6 TIMES PICTURE X(10).
58      02 FILLER PICTURE X(23) VALUE SPACE.
59      01 HEAD 1.
60      02 FILLER PICTURE X(18) VALUE SPACE.
61      02 FILLER PICTURE X(24) VALUE 'PAYROLL NAME
62      02 FILLER PICTURE X(24) VALUE ' SALARY INCRE
63      02 FILLER PICTURE X(24) VALUE 'ASE TOTAL ACCJMLAT
64      02 FILLER PICTURE X(19) VALUE 'E INCOME NET PAY'.
65      02 FILLER PICTURE X(24) VALUE SPACE.
66      01 HEAD 2.
67      02 FILLER PICTURE X(20) VALUE SPACE.
68      02 FILLER PICTURE X(3) VALUE 'NO.'.
69      02 FILLER PICTURE X(39) VALUE SPACE.
70      02 FILLER PICTURE X(24) VALUE 'SALARY RECEIVED FUND
71      02 FILLER PICTURE X(11) VALUE 'DED. TAX'.
72      02 FILLER PICTURE X(36) VALUE SPACE.
73      01 HEAD-1.
74      02 FILLER PICTURE X(63) VALUE SPACE.
75      02 FILLER PICTURE X(7) VALUE 'TABLE 4'.
76      02 FILLER PICTURE X(63) VALUE SPACE.
77      PROCEDURE DIVISION.
78      OPEN INPUT INPUT-F OUTPUT PRINT-O.
79      PERFORM C-B VARYING J FROM 1 BY 1 UNTIL J > 6.
80      PERFORM LINE. PERFORM HD.
81      READ-T.
82      READ INPUT-F INTO TAPE-A AT END GO TO EOJ.
83      IF CC43 NUMERIC ADD CC43 TO B (1).
84      IF CC48 NUMERIC ADD CC48 TO B (2).
85      COMPUTE COM ROUNDED = B (1) + B (2).
86      MOVE COM TO B (3). MOVE ZERO TO COM.
87      COMPUTE COM ROUNDED = (B (3) * 12 - 4000) - (B (3) * 240
88      / 100).
89      IF COM < 10001 COMPUTE RESULT ROUNDED = COM * 10 / 1200.
90      MOVE RESULT TO B (5).
91      IF COM > 10000 OR COM < 50000
92      COMPUTE RESULT ROUNDED = COM * 13 / 1200
93      MOVE RESULT TO B (5) MOVE ZERO TO RESULT COM.
94      COMPUTE COM ROUNDED = B (3) * 4 / 100.
95      MOVE COM TO B (4) MOVE ZERO TO COM.
96      COMPUTE COM ROUNDED = B (3) - B (4).
97      MOVE COM TO B (6).
98      MOVE C9 TO NG.
99      MOVE C17 TO NAM.
100     ADD 1 TO L-COUNT.
101     PERFORM W-E VARYING J FROM 1 BY 1 UNTIL J > 6.
102     IF L-COUNT = 2 PERFORM LINE PERFORM HD MOVE 0 TO L-COUNT.
103     PERFORM C-B VARYING J FROM 1 BY 1 UNTIL J > 6.
104     GO TO READ-T.
105     EOJ.
106     DISPLAY ' '
107     DISPLAY ' '
108     DISPLAY ' '
PROGRAMMED BY NIKOM'.
```

LINE NO. SEQ. NO.

SOURCE STATEMENT

```
109      CLOSE INPUT-F PRINT-O.
110      STOP RUN.
111      W-E.
112      IF B (J) = ZERO MOVE SKIP TO RR (J) ELSE MOVE B (J) TO R (
113      IF J = 6 AND L-COUNT = 1 WRITE P-O FROM PRINT-B AFTER 2
114      MOVE SPACE TO PRINT-B MOVE ALL '-' TO P-O WRITE P-O AFTER
115      PERFORM HD.
116      IF J = 6 AND L-COUNT = 2 WRITE P-O FROM PRINT-B AFTER 2
117      MOVE SPACE TO PRINT-B.
118      C-B.
119      MOVE ZERO TO B (J).
120      HD.
121      DISPLAY '      '
122      DISPLAY '      '
123      DISPLAY '
124      - 'PAYCHECK FOR MONTHLY PAY'.
125      DISPLAY '      '
126      DISPLAY '      '
127      DISPLAY '                                SIGNATURE -----
128      - '                                OCTOBER /7
129      WRITE P-O FROM HEAD1 AFTER 3.
130      WRITE P-O FROM HEAD2 AFTER 1.
131      DISPLAY '      '
132      LINE.
133      WRITE P-O FROM HEAD-1 AFTER 0.
```

ประวัติการศึกษา

ชื่อและนามสกุล	นายนิคม ไวยรัชพานิช
วุฒิ	วิทยาศาสตรบัณฑิต (วท.บ.) สาขาสุขาภิบาล
สถาบันการศึกษา	มหาวิทยาลัยมหิดล
ปีการศึกษา	2513
สถานที่ทำงาน	ศูนย์ประมวลผลด้วยเครื่องจักรแห่งประเทศไทย สำนักงานสถิติแห่งชาติ

