

ภาคผนวก F
ตัวอย่างการวิ่งโปรแกรมโดยใช้
เครื่องคอมพิวเตอร์ Micro Vax II
(VAX FORTRAN V4. 4-177)

แฟ้ม STUDENT.FOR

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C234567890
PROGRAM STUDENT
CHARACTER NAME*32
INTEGER SCODE,SEX,SCORE,TOTAL,FM,TF
DATA NM,NF,TOTAL,FM,TF/5*0/
OPEN(5,FILE='STUDENT.UAT',STATUS='OLD')
OPEN(6,FILE='STUDENT.OUT',STATUS='NEW')
WRITE(6,2)
2  FORMAT(T33,'OR 213 (1/2536)'/T35,'GRADE REPORT'//
+2X,'NO. STUDENT ID. ',10X,'NAME',20X,'SEX SCORE GRADE'//
DO 10 N = 1,10
READ(5,3)SCODE,NAME,SEX,SCORE
3  FORMAT(18,A32,I1,12)
TOTAL=TOTAL+SCORE
IF(SCORE .GE. 85) THEN
WRITE(6,4)N,SCODE,NAME,SEX,SCORE
4  FORMAT(2X,I2,5X,I8,4X,A32,3X,I1,5X,I2,5X,'G')
ELSE
WRITE(6,5)N,SCODE,NAME,SEX,SCORE
5  FORMAT(2X,I2,5X,I8,4X,A32,3X,I1,5X,I2,5X,'P')
END IF
IF(SEX .EQ. 1) THEN
NM=NM+1
FM=FM+SCORE
ELSE
NF=NF+1
TF=TF+SCORE
END IF
10 CONTINUE
AVER=TOTAL/10.
FM=NM
AM=FM/FM
FN=NF
AF=TF/FN
WRITE(6,9)AVER,NF,AF,NM,AM
9  FORMAT(/9X,'AVERAGE SCORE = ',F5.2,' POINTS' /
+ 9X,'NUMBER OF F&MALE = ',15,' PERSONS' /
+ 9X,'FEMALE AVERAGE SCORE = ',F5.2,' POINTS' /
+ 9X,'NUMBER OF MALE = ',15,' PERSONS' /
+ 9X,'MALE AVERAGE SCORE = ',F5.2,' POINTS')
STOP
END
    
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30-NOV-1993 08:57:12
 30-NOV-1993 08:55:21

STUDENT.LIS

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0001 C234567890
0002 PROGRAM STUDENT
0003 CHARACTER NAME*32
0004 INTEGER SCORE,SEX,SCORE,TOTAL,TM,TF
0005 DATA NM,NF,TOTAL,TM,TF/5*0/
0006 OPEN(5,FILE='STUDENT.DAT',STATUS='OLD')
0007 OPEN(6,FILE='STUDENT.OUT',STATUS='NEW')
0008 WRITE(6,2)
0005 2 FORMAT(T33,'OR 213 (1/2536)'/T35,'GRADE REPORT'//
0010 +2X,'NO. STUDENT ID, ',10X,'NAME',20X,'SEX SCORE GRADE'//)
0011 DO 10 N = 1,10
0012 READ(5,3)SCORE,NAME,SEX,SCORE
0013 3 FORMAT(I8,A32,I1,I2)
0014 TOTAL=TOTAL+SCORE
0015 IF(SCORE .GE. 85)THEN
0016 WRITE(6,4)N,SCORE,NAME,SEX,SCORE
0017 4 FORMAT(2X,I2,5X,I8,4X,A32,3X,I1,5X,I2,5X,'G')
0018 ELSE
0019 WRITE(6,5)N,SCORE,NAME,SEX,SCORE
0020 5 FORMAT(2X,I2,5X,I8,4X,A32,3X,I1,5X,I2,5X,'P')
0021 END IF
0022 IF(SEX .EQ. 1)THEN
0023 NM=NM+1
0024 TM=TM+SCORE
0025 ELSE
0026 NF=NF+1
0027 TF=TF+SCORE
0028 END IF
0029 10 CONTINUE

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0030          AVER=TOTAL/10.
0031          FM=NM
0032          AM=TM /FM
0033          FN=NF
0034          AF=TF /FN
0035          WRITE (6,9)AVER,NF,AF,NM,AM
0036          9      FORMAT( /9X, 'AVERAGE SCORE      = ',F5.2,' POINTS'/
0037          +      9X, 'NUMBER OF FEMALE      = ',I5,' PERSONS'/
0038          +      9X, 'FEMALE AVERAGE SCORE = ',F5.2,' POINTS'/
0039          +      9X, 'NUMBER OF MALE      = ',I5,' PERSONS'/
0040          +      9X, 'MALE AVERAGE SCORE = ',F5.2,' POINTS')
0041          , STOP
0042          END

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COMMAND QUALIFIERS

FOR STUDENT/LIS

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/CHECK=(NOBOUNDS,OVERFLOW,NOUNDERFLOW)
/DEBUG=(NOSYMBOLS,TRACEBACK)
/STANDARD=(NOSYNTAX,NOSOURCE_FORM)
/SHOW=(NOPREPROCESSOR,NOINCLUDE,MAP,NODICTIONARY,SINGLE)
/WARNINGS=(GENERAL,NODECLARATIONS)
/CONTINUATIONS=19 /NOCROSS_REFERENCE /NOD-LINES /NOEXTEND_SOURCE /F 77
/NOG_FLOATING /I4 /NOMACHINE_CODE ./OPTIMIZE

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COMPILATION STATISTICS

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RUN TIME:          1.90 SECONDS
ELAPSED TIME:     3.12 SECONDS
PAGE FAULTS:      255
DYNAMIC MEMORY:   335 PAGES

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12345623PRATEEP	RAKRAM	1 b-f
145678450hJIRAWAN	KANJANAPORN	278
24689056WARANYA	PASUKKASAME	2 b6
12468167VORASAK	SAWANGWONG	141
34567233SILATAP	RAKSAPAN	163
401201450RAWAN	PANTUMVADEE	279
14567889RUNGLAWAN	SUJARIT	290
12953423WATANA	SAEJANG	1b8
45021212KASAME	SRITHAIKUM	161
31423589KRUNGTHAI	THAISANGOP	185

OR 213 (1/2536 J)
GRADE REPORT

NO.	STUDENT ID.	NAME	SEX	SCORE	GRADE
1	12345623	PRATEEP RAKRAM	1	67	P
2	14567845	ONJIRAWAN KANJANAPORN	2	78	P
4	24689056	WARANYA PASUKKASAME	2	86	G
5	34567233 12468167	VORASAK SILATAP RAKSAPAN SAWANGWONG	1	91	G
			1	63	P
6	40120145	DRAWAN PANTUMVADEE	2	79	P
7	14567689	RUNGLAWAN SUJARIT	2	90	G
8	12953423	WATANA SAEJANG	1	88	G
9	45021212	KASAME SRITHAIKUM	1	61	P
10	31423589	KRUNGTHAI THAISANGOP	1	a5	G
AVERAGE SCORE		=	78.80	POINTS	
NUMBER OF FEMALE		=	4	PERSONS	
FEMALE AVERAGE SCORE		=	63.25	POINTS	
NUMBER OF MALE		=	6	PERSONS	
MALE AVERAGE SCORE		=	75.83	POINTS	