

# ภาคผนวกที่ 1

## ตัวอย่างโปรแกรมของนักศึกษา

งานโปรแกรมการพิมพ์ยอดเงินตัวเลขออกมาเป็นตัวอักษร

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10 ' THIS PROGRAM PRINT PRICE NUMBER To CHARACTER STRING
20 ' WRITTEN BY DR. MAITRI 25700082 3/12/85
30 CLS
40 CLEAR
50 CLEAR 10500, : 'CLEAR STRING VARIABLE
60 DIM CHANUM$(99), PNAME$(5), PPU$(5), UNI$(5), TTP$(5)
70 FOR I=1 TO 99
an READ CHANUM$(I)
90 NEXT I
100 DATA ONE, TWO, THREE, FOUR, FIVE, SIX, SEVEN, EIGHT, NINE, TEN, ELEVEN, TWELVE
110 DATA THIRTEEN, FOURTEEN, FIFTEEN, SIXTEEN, SEVENTEEN, EIGHTEEN, NINETEEN
120 DATA TWENTY, TWENTY-ONE, TWENTY-TWO, TWENTY-THREE, TWENTY-FOUR, TWENTY-FIVE
130 DATA TWENTY-SIX, TWENTY-SEVEN, TWENTY-EIGHT, TWENTY-NINE, THIRTY, THIRTY-ONE
140 DATA THIRTY-TWO, THIRTY-THREE, THIRTY-FOUR, THIRTY-FIVE, THIRTY-SIX
150 DATA THIRTY-SEVEN, THIRTY-EIGHT, THIRTY-NINE, FORTY, FORTY-ONE, FORTY-TWO
160 DATA FORTY-THREE, FORTY-FOUR, FORTY-FIVE, FORTY-SIX, FORTY-SEVEN, FORTY-EIGHT
170 DATA FORTY-NINE, FIFTY, FIFTY-ONE, FIFTY-TWO, FIFTY-THREE, FIFTY-FOUR
180 DATA FIFTY-FIVE, FIFTY-SIX, FIFTY-SEVEN, FIFTY-EIGHT, FIFTY-NINE, SIXTY
190 DATA SIXTY-ONE, SIXTY-TWO, SIXTY-THREE, SIXTY-FOUR, SIXTY-FIVE, SIXTY-SIX
200 DATA SIXTY-SEVEN, SIXTY-EIGHT, SIXTY-NINE, SEVENTY, SEVENTY-ONE, SEVENTY-TWO
210 DATA SEVENTY-THREE, SEVENTY-FOUR, SEVENTY-FIVE, SEVENTY-SIX, SEVENTY-SEVEN
220 DATA SEVENTY-EIGHT, SEVENTY-NINE, EIGHTY, EIGHTY-ONE, EIGHTY-TWO, EIGHTY-THREE
230 DATA EIGHTY-FOUR, EIGHTY-FIVE, EIGHTY-SIX, EIGHTY-SEVEN, EIGHTY-EIGHT
240 DATA EIGHTY-NINE, NINETY, NINETY-ONE, NINETY-TWO, NINETY-THREE, NINETY-FOUR
250 DATA NINETY-FIVE, NINETY-SIX, NINETY-SEVEN, NINETY-EIGHT, NINETY-NINE
260 TT# = 0
270 INPUT "PUT CUTOMER NAME "; CNAME$
280 FOR I = 1 TO 5
90 INPUT "PUT PRODUCT NAME "; PNAME$(I)
300 INPUT "PUT PRICE PER UNIT "; PPU$(I)
710 INPUT "PUT UNIT "; UNI$(I)
320 TTP$(I) = PPU$(I)*UNI$(I)
330 TT# = TT#+TTP$(I)
340 INPUT "ARE THERE ANOTHER GOODS ? (Y/N) "; DESI$
350 IF DESI$ = "N" THEN 370
360 NEXT I
370 LPRINT :LPRINT :LPRINT
380 LPRINT TAB(23); "MAITRI GENERAL COMPUTER CO. LTD."
390 LPRINT
400 LPRINT TAB(10); "COTOMER NAME : "; CNAME$
410 LPRINT TAB(7); STRING$(66, "*")
420 LPRINT TAB(9); "UNIT * PRODUCT NAME * PRICE/UNIT . TOTAL PRICE
*"
430 LPRINT TAB(7); STRING$(66, "*")
440 FOR J = 1 TO I
450 LPRINT USING " ##### . "; UNI$(J);
460 LPRINT USING "& * #####. ## * #####. ## *";
PNAME$(J); PPU$(J); TTP$(J)
470 PNAME$(J) = EMPT$ : PPU$(J) = 0 : TTP$(J) = 0 : UNI$(J) = 0
480 NEXT J
490 FOR I = J TO 7
500 LPRINT TAB(15); "*"; TAB(36); "*"; TAB(54); "*"; TAB(72); "*"

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510 NEXT I
520 LPRINT TAB (7); STRING$(66,"*")
530 LPRINT TAB(54); : LPRINT USING "* #####.## *"; TT#
540 LPRINT TAB(54); "*****"
550 PNUM$ = STR$(TT#) : PNUM$ = RIGHT$(PNUM$,LEN(PNUM$)-1)
560 PCN$ = EMPT$
570 PCN2$ = PNUM$
580 NUML = LEN(PNUM$)
590 VA2 = NUML
600 ON NUML GOTO 1020,1020,980,940,940,890,840,840,800,760,760,720
610 PRINT "***** OVER DIGIT*****"
620 INPUT "ARE THERE ANOTHER CUSTOMERS ???(Y/N)"; DESI$
630 IF DESI$ = "Y" THEN 260 ELSE GOTO 1140
640 '*****
650 REM SUBROUTINE FOR SEPARATE STRING
660 PCN1$ = LEFT$(PCN2$,NO) : REM NO = CHARACTER NUMBER START COUNT FORM LEFT
670 VA = VAL(PCN1$)
680 PCN1$ = CHANUM$(VA)
690 NUML = NUML - NO
700 PCN2$ = RIGHT$(PNUM$,NUML)
710 RETURN
720 NO = 1 : GOSUB 650
730 PCN$ = PCN1$ + " HUNDRED"
740 IF VAL(LEFT$(PCN2$,2)) = 0 THEN PCN$ = PCN$ + " THOUSAND"
      :NO = 2 : GOSUB 690 : GOTO 780
750 PCN$ = PCN$ + " AND "
760 NO = NUML - 9 : GOSUB 650
770 PCN$ = PCN$ + PCN1$ + " THOUSAND"
780 IF VAL(LEFT$(PCN2$,1)) = 0 THEN NO = 1 : GOSUB 690 : GOTO 820
790 PCN$ = PCN$ + " AND "
800 NO = 1 : GOSUB 650
810 PCN$ = PCN$ + PCN1$ + " HUNDRED"
820 IF VAL(LEFT$(PCN2$,2)) = 0 THEN PCN$ = PCN$ + " MILLION"
      :NO = 2 : GOSUB 690 : GOTO 860
830 PCN$ = PCN$ + " AND "
840 NO = NUML - 6 : GOSUB 650
850 PCN$ = PCN$ + PCN1$ + " MILLION"
860 VA2 = VAL(LEFT$(PCN2$,1))
870 IF VA2 = 0 THEN NO = 1 : GOSUB 690 : GOTO 910
880 PCN$ = PCN$ + " AND "
890 NO = 1 : GOSUB 650
900 PCN$ = PCN$ + PCN1$ + " HUNDRED"
910 IF VA2 = 0 AND VAL(LEFT$(PCN2$,2)) = 0 THEN NO = 2
      : GOSUB 690 : GOTO 960
920 IF VAL(LEFT$(PCN2$,2)) = 0 THEN PCN$ = PCN$ + " THOUSAND"
      :NO = 2 : GOSUB 690 : GOTO 960
930 PCN$ = PCN$ + " AND "
940 NO = NUML - 3 : GOSUB 650
950 PCN$ = PCN$ + PCN1$ + " THOUSAND"
960 IF VAL(LEFT$(PCN2$,1)) = 0 THEN NO = 1 : GOSUB 690 : GOTO 1000
970 PCN$ = PCN$ + " AND "
980 NO = 1 : GOSUB 650
990 PCN$ = PCN$ + PCN1$ + " HUNDRED"
1000 IF VAL(LEFT$(PCN2$,2)) = 0 THEN PCN$ = PCN$ + " BAHT )" : GOTO 1040
1010 PCN$ = PCN$ + " AND "

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1020 NO = NUML :GOSUB 650
1030 PCN$ = PCN$ + PCN1 $ + " BAHT )"
1040 LPRINT TAB(7); "(";
1050 CLEN = LEN (PCN$)
1060 IF CLEN > 45 THEN 1090
1070 LPRINT TAB(9); PCN$
1080 GOTO 620
1090 NBA = INSTR(35,PCN$," ")
1100 LPRINT TAB(9); LEFT$(PCN$,NBA)
1110 IF NBA >= CLEN THEN 620
1120 PCN$ = MID$(PCN$,NBA+1,CLEN-NBA+1)
1130 GOTO 1050
1140 STOP
1150 END
```

MAITRI GENERAL COMPUTER CO. LTD.

COTOMER NAME : RONAL REGAN  
\*\*\*\*\*  
UNIT \* PRODUCT NAME \* PRICE/UNIT \* TOTAL PRICE \*  
\*\*\*\*\*  
2 \* VAX-11/750 \* 17,000,000.00 \* 34,000,000.00 \*  
20 \* CASIO FP-1000 \* 50,000.00 \* 1,000,000.00 \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\*\*\*\*\*  
\* 35,000,000.00 \*  
\* \*\*\*\*\*♦♦♦♦♦

( THIRTY-FIVE MILLION BAHT )

MAITRI GENERAL COMPUTER CO. LTD.

COTOMER NAME : JAME BOND 007  
\*\*\*\*\*  
UNIT \* PRODUCT NAME \* PRICE/UNIT \* TOTAL PRICE \*  
\*\*\*\*\*  
50 \* NEC PC-B041B \* 90,000.00 \* 4,500,000.00 \*  
\*\*\*\*\* \* FLOPPY DISK 5 1/4" \* \*\*\*\*\* \* 105,000.00 \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \*  
\*\*\*\*\*  
\* 4,605,000.00 \*  
\*\*\*\*\*

( FOUR MILLION AND SIX HUNDRED AND FIVE THOUSAND BAHT )

MAITRI GENERAL COMPUTER CO. LTD.

COTOMER NAME : GENERAL PREM TINSULANON

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*****
UNIT * PRODUCT NAME * PRICE/UNIT * TOTAL PRICE *
*****
10 • F-16 * % 1200000000 * % 1200000000 •
  □ * SUBMARIEN BOAT * % 7120000000 * % 7120000000 *
  * * * * *
  * • • •
  * * * * *
  • * * * *
  * * * * *
*****
* % 83200000000 *
*****
    
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( EIGHTY-THREE THOUSAND AND TWO HUNDRED MILLION BAHT )

- 1.00 BAHT ( ONE BAHT )
- 10.00 BAHT ( TEN BAHT )
- 15.00 BAHT ( FIFTEEN BAHT )
- 53.00 BAHT ( FIFTY-THREE BAHT )
- 71.00 BAHT ( SEVENTY-ONE BAHT )
- 80.00 BAHT ( EIGHTY BAHT )
- 96.00 BAHT ( NINETY-SIX BAHT )
- 100.00 BAHT ( ONE HUNDRED BAHT )
- 101.00 BAHT ( ONE HUNDRED AND ONE BAHT )
- 120.00 BAHT ( ONE HUNDRED AND TWENTY BAHT )
- 185.00 BAHT ( ONE HUNDRED AND EIGHTY-FIVE BAHT )
- 200.00 BAHT ( TWO HUNDRED BAHT )
- 250.00 BAHT ( TWO HUNDRED AND FIFTY BAHT )

555.00	BAHT	( FIVE HUNDRED AND FIFTY-FIVE BAHT )
805.00	RAHT	( EIGHT HUNDRED AND FIVE BAHT )
1,000.00	BAHT	( ONE THOUSAND BAHT )
1,005.00	BAHT	( ONE THOUSAND AND FIVE RAHT )
1,888.00	BAHT	( ONE THOUSAND AND EIGHT HUNDRED AND EIGHTY-EIGHT RAHT )
55,555.00	RAHT	( FIFTY-FIVE THOUSAND AND FIVE HUNDRED AND FIFTY-FIVE BAHT )
120,000.00	BAHT	( ONE HUNDRED AND TWENTY THOUSAND BAHT )
5,000,001.00	BAHT	( FIVE MILLION AND ONE BAHT )
17,000,002.00	BAHT	( SEVENTEEN MILLION AND TWO BAHT )
555,555,544.00	RAHT	( FIVE HUNDRED AND FIFTY-FIVE MILLION AND FIVE HUNDRED AND FIFTY-FIVE THOUSAND AND FIVE HUNDRED AND FORTY-FOUR BAHT )
9,000,000,000.00	BAHT	( NINE THOUSAND MILLION BAHT )
9,654,789,210.00	BAHT	( NINE THOUSAND AND SIX HUNDRED AND FIFTY-FOUR MILLION AND SEVEN HUNDRED AND EIGHTY-NINE THOUSAND AND TWO HUNDRED AND TEN BAHT )
61,245,578,587.00	HAHT	( SIXTY-ONE THOUSAND AND TWO HUNDRED AND FORTY-FIVE MILLION AND FIVE HUNDRED AND SEVENTY-EIGHT THOUSAND AND FIVE HUNDRED AND EIGHTY-SEVEN BAHT )
300,000,000,000.00	HAHT	( THREE HUNDRED THOUSAND MILLION BAHT )
512,000,000,021.00	BAHT	( FIVE HUNDRED AND TWELVE THOUSAND MILLION AND TWENTY-ONE BAHT )
714,525,000,000.00	BAHT	( SEVEN HUNDRED AND FOURTEEN THOUSAND AND FIVE HUNDRED AND TWENTY-FIVE MILLION BAHT )



งานโปรแกรม sort และ merge file

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10 '!!!! PLEASE KEY "MOUNT 1,2,3," BEFORE RUN !!!!
20 'PROGRAM SORT AND MERGE FILES
30 'WRITTEN BY DR. MAITRI 25700082 29/11/85
40 CLS
50 CLEAR
60 DIM ID(100), FINA$(5)
70 INPUT "PUT NAME OF FIRST FILE ?? "; FINA$(1)
80 INPUT "PUT NAME OF SECOND FILE ?? "; FINA$(3)
90 J1 = 1 : J2 = 2
100 FINA$(2) = "SORT-1"
110 GOSUB 210
120 MM = N
130 J1 = 3 : J2 = 4
140 FINA$(4) = "SORT-Z"
150 FOR I = 1 TO N : ID(I) = 0 : NEXT I
160 GOSUB 210
170 NN = N
180 FINA$(5) = "NEW-FILE"
190 CLOSE 1,2
200 GOTO 950
210 '*****
220
230 FIELD #1, 4 AS COD$, 26 AS DES$, 4 AS QUAN$
240 OPEN FINA$(J1) AS #1
250 '*****
260
270 'MOVE CODE INTO ARRAY ID
280 LPRINT
290 LPRINT TAB(38); FINA$(J1)
300 LPRINT TAB(18); "*****"
310 LPRINT TAB(20); "ITEM NO. "; TAB(35); "DESCRIPTOR"; TAB(56); "QUANTITY"
320 LPRINT TAB(18); "*****"
330 N = 0 : REC = 0
340 IF EOF(1) THEN 460
350 REC = REC+1
360 GET #1, REC
370 COD = VAL(COD$)
380 IF COD = 0 THEN 330
390 LPRINT TAB(22); COD$; TAB(30); DES$; TAB(58); QUAN$
400 N = N+1
410 ID(N) = COD*100+REC
420 GOTO 340
430 'END OF MOVE CODE
440 '*****
450
460 'BUBBLE SORT
470 LPRINT TAB(18); "*****"
480 LPRINT
490 PRINT "***** PLEASE WAIT FOR MINUTE I AM SORTING !!!! !"
500 M = N-1
510 X$ = "YES"
520 FOR I = 1 TO N
530 IF X$ = "NO" THEN 670
540 X$ = "NO"
550 FOR J = 1 TO M

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560         COD1 = INT(ID(J)/100)
570         COD2 = INT(ID(J+1)/100)
580         IF COD1 <= COD2 THEN 640
590         'SWAP VALUE
600         COD = ID(J)
610         ID(J) = ID(J+1)
620         ID(J+1) = COD
630         X$ = "YES"
640     NEXT J
650     M = M-1
660 NEXT I
670 'END OF BUBBLE SORT
680 '*****
690
700 'PUT SORT-FILE INTO DISKETTE
710 FIELD #2, 4 AS COD2$, 26 AS DES2$, 4 AS QUAN2$
720 OPEN FINA$(J2) AS #2
730 FOR I = 1 TO N
740     REC = ID(I)-INT(ID(I)/100)*100
750     GET #1, REC
760     RSET COD2$ = COD$
770     LSET DES2$ = DES%
780     RSET QUAN2$ = QUAN$
790     PUT #2, I
800 NEXT I
810 LPRINT
820 LPRINT TAB(38); FINA$(J2)
830 LPRINT TAB(18); "*****"
840 LPRINT TAB(20); "ITEM NO."; TAB(35); "DESCRIPTOR"; TAB(56); "QUANTITY"
850 LPRINT TAB(18); "*****"
860 FOR I = 1 TO N
870     GET #2, I
880     LPRINT TAB(22); COD2$; TAB(30); DES2$; TAB(58); QUAN2$
890 NEXT I
900 LPRINT TAB(18); "*****"
910 CLOSE 1,2
920 RETURN
930 '*****
940
950 'MERGE FIRST FILE WITH SECOND FILE AS NEW FILE
960 FIELD #1, 4 AS COD$, 26 AS DES%, 4 AS QUAN$
970 FIELD #2, 4 AS COD2$, 26 AS DES2$, 4 AS QUAN2$
980 FIELD #3, 4 AS COD3$, 26 AS DES3$, 4 AS QUAN3$
990 OPEN FINA$(2) AS #1
1000 OPEN FINA$(4) AS #2
1010 OPEN FINA$(5) AS #3
1020 PRINT
1030 PRINT "***** PLEASE WAIT FOR MINUTE I AM MERGEING !!!!! "
1040 REC = 1
1050 REC2 = 1
1060 REC3 = 0
1070 GET #1, 1
1080 GET #2, 1
1090 REC3 = REC3+1
1100 IF VAL(COD$) > VAL(COD2$) THEN 1270
1110 RSET COD3$ = COD$
1120 LSET DES3$ = DES%
1130 RSET QUAN3$ = QUAN$
1140 PUT #3, REC3

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1150 REC = REC+1
1160 IF REC <= MM THEN GET #1, REC :GOTO 1090
1170 'FIRST FILE IS EXHAUSTED SO LOAD REST OF SECOND FILE
1180 FOR I = REC2 TO NN
1190     GET #2, I
1200     REC3 = REC3+1
1210     RSET COD3$ = COD2$
1220     LSET DES3$ = DES2$
1230     RSET QUAN3$ = QUAN2$
1240     PUT #3, REC3
1250 NEXT I
1260 GOTO 1420
1270 RSET COD3$ = COD2$
1280 LSET DES3$ = DES2$
1290 RSET QUAN3$ = QUAN2$
1300 PUT #3, REC3
1310 REC2 = REC2+1
1320 IF REC2 <= NN THEN GET #2, REC2 :GOTO 1090
1330 'SECOND FILE IS EXHAUSTED SO LOAD REST OF FIRST FILE
1340 FOR I = REC TO MM
1350     GET #1, I
1360     REC3 = REC3+1
1370     RSET COD3$ = COD$
1380     LSET DES3$ = DES$
1390     RSET QUAN3$ = QUAN$
1400     PUT #3, REC3
1410 NEXT I
1420 'PRINT FILE IS MERGED
1430 LPRINT
1440 LPRINT TAB(38); FINA$(5)
1450 LPRINT TAB(18); "*****"
1460 LPRINT TAB(20); "ITEM NO. "; TAB(35); "DESCRIPTOR"; TAB(56); "QUANTITY"
1470 LPRINT TAB(18); "*****"
1480 FOR I = 1 TO MM+NN
1490     GET X3, I
1500     LPRINT TAB(22); COD3$; TAB(30); DES3$; TAB(58); QUAN3$
1510 NEXT I
1520 LPRINT TAB(18); "*****"
1530 CLOSE
1540 STOP
1550 END

```

UNSORT- 1

ITEM NO.	DESCRIPTOR	QUANTITY
5001	FLUORESCENCE 40 WATT	50
4012	TABLE NO. X 1	80
4011	TABLE NO. X	20
4003	ARM CHAIRS	11
4002	CHAIR NO. B	100
5002	FIUORESCENCE 20 WATT	40
5010	LAMP 40 WATT	20
5011	LAMP 60 WATT	11
5012	LAMP 100 WATT	12
4001	CHAIR NO. A	50
1312	FLOPPY DISK 5 1/4'' (SSDD)	100
1311	FLOPPY DISK 5 1/4'' (SS)	300
1304	FLOPPY DISK 8'' (DSDD)	15
1303	FLOPPY DISK 8'' (DS)	20
1302	FLOPPY DISK 8'' (SSDD)	30
1301	FLOPPY DISK 8'' (SS)	200
1201	MAGNETIC TAPE (REEL)	50
1101	PAPER TAPE	50
1010	CARD 1*2000	50
2201	WHITE CHALK	2000
320 1	STAPLERS HD-50	10
3104	PAPER CLIP NO.4	50
3103	PAPER CLIP NO.3	100
3102	PAPER CLIP NO.2	180
3101	PAPER CLIP NO. 1	150
3002	PAPER 7 1/2''*13 1/2''*500	1000
300 1	PAPER 7 1/2''*11''*500	3000
2202	COLOUR CHALK	1000
2102	ERASER NO. 2	20
3202	STAPLERS HD-10	20

SORT- 1

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#####
ITEM NO.          DESCRIPTOR          QUANTITY
#####
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1010	CARD 1*2000	50
1101	PAPER TAPE	50
1201	MAGNETIC TAPE (REEL)	50
1301	FLOPPY DISK 8' '(SS)	200
1302	FLOPPY DISK 8' '(SSDD)	30
1303	FLOPPY DISK 8' '(DS)	20
1304	FLOPPY DISK 8' '(DSDD)	15
1311	FLOPPY DISK 5 1/4' '(SS)	300
1312	FLOPPY DISK 5 1/4' '(SSDD)	100
2102	ERASER NO. 2	20
2201	WHITE CHALK	2000
2202	COLOUR CHALK	1000
3001	PAPER 7 1/2''*11''*500	3000
3002	PAPER 7 1/2''*13 1/2''*500	1000
3101	PAPER CLIP NO.1	150
3102	PAPER CLIP NO.2	180
3103	PAPER CLIP NO.3	100
3104	PAPER CLIP NO.4	50
3201	STAPLERS HD-50	10
3202	STAPLERS HD-10	20
4001	CHAIR NO.A	50
4002	CHAIR NO.B	100
4003	ARM CHAIRS	11
4011	TABLE NO. X	20
4012	TABLE NO. X 1	80
5001	FLUORESCENCE 40 WATT	50
5002	FIUORESCENCE 20 WATT	40
5010	LAMP 40 WATT	20
5011	LAMP 60 WATT	11
5012	LAMP 100 WATT	12

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UNSORT-2

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#####
ITEM NO.      DESCRIPTOR      QUANTITY
#####
3224  CUTTER NO. 843      20
3223  CUTTER NO. 043      15
3222  CUTTER NO. 438      20
3221  CUTTER NO. 112      15
3214  STAPLES NO. 80-5M     180
3213  STAPLES NO. 50-4M     1000
3212  STAPLES NO. 10-3M     4000
3211  STAPLES NO. 10-1M     8000
3204  STAPLERS XZ-10        10
3203  STAPLERS FD-80         15
1313  FLOPPY DISK 5 1/4'' (DS)  50
1314  FLOPPY DISK 5 1/4'' (DSQD) 80
1321  CASSETTE TAPE          100
2010  RED PEN                 1000
2011  BLUE PEN                1000
2012  PENCIL HB               800
2013  PENCIL 2B               2000
2014  PENCIL 3B               100
2015  PENCIL 4B               200
2101  ERASER NO. 1           30
#####
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SORT-2

```
#####
ITEM NO.      DESCRIPTOR      QUANTITY
#####
1313  FLOPPY DISK 5 1/4'' (DS)  50
1314  FLOPPY DISK 5 1/4'' (DSQD) 80
1321  CASSETTE TAPE          100
2010  RED PEN                 1000
2011  BLUE PEN                1000
2012  PENCIL HB               800
2013  PENCIL 2B               2000
2014  PENCIL 3B               100
2015  PENCIL 4B               200
2101  ERASER NO. 1           30
3203  STAPLERS FD-80         15
3204  STAPLERS XZ-10         10
3211  STAPLES NO. 10-1M     8000
3212  STAPLES NO. 10-3M     4000
3213  STAPLES NO. 50-4M     1000
3214  STAPLES NO. 80-5M     180
3221  CUTTER NO. 112         15
3222  CUTTER NO. 438         20
3223  CUTTER NO. 043         15
3224  CUTTER NO.843          20
#####
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NEW-FILE

ITEM NO.	DESCRIPTOR	QUANTITY
1010	CARD 1*2000	50
1101	PAPER TAPE	50
1201	MAGNETIC TAPE (REEL)	50
1391	FLOPPY DISK 8" (SS)	200
1302	FLOPPY DISK 8" (SSDD)	30
1303	FLOPPY DISK 8" (DS)	20
1304	FLOPPY DISK 8" (DSDD)	15
1311	FLOPPY DISK 5 1/4" (SS)	300
1312	FLOPPY DISK 5 1/4" (SSDD)	100
1313	FLOPPY DISK 5 1/4" (DS)	50
1314	FLOPPY DISK 5 1/4" (DSDD)	80
1321	CASSETTE TAPE	100
2010	RED PEN	1000
2011	BLUE PEN	1000
2012	PENCIL HB	800
2013	PENCIL 2B	2000
2014	PENCIL 3B	100
2015	PENCIL 4B	200
2101	ERASER NO. 1	30
2102	ERASER NO. 2	20
2201	WHITE CHALK:	2000
2202	COLOUR CHALK	1000
3001	PAPER 7 1/2" *11" *500	3000
3002	PAPER 7 1/2" *13 1/2" *500	1000
3101	PAPER CLIP NO. 1	150
3102	PAPER CLIP NO. 2	180
3103	PAPER CLIP NO. 3	100
3104	PAPER CLIP NO. 4	50
3201	STAPLERS HD-50	10
3202	STAPLERS HD-10	20
3203	STAPLERS FD-80	15
3204	STAPLERS XZ-10	10
3211	STAPLES NO. 10-1M	8000
3212	STAPLES NO. 10-3M	4000
3213	STAPLES NO. 50-4M	1000
3214	STAPLES NO. 80-5M	180
3221	CUTTER NO. 112	15
3222	CUTTER NO. 438	20
3223	CUTTER NO. 043	15
3224	CUTTER NO. 843	20
4001	CHAIR NO. A	50
4002	CHAIR NO. B	100
4003	ARM CHAIRS	11
4011	TABLE NO. X	20
4012	TABLE NO. X 1	80
5001	FLUORESCENCE 40 WATT	50
5002	FIUORESCENCE 20 WATT	40
5010	LAMP 40 WATT	20
5011	LAMP 60 WATT	11
5012	LAMP 100 WATT	12



## งานโปรแกรมการใช้ DBASE II เพื่อจัดการข้อมูลระบบทะเบียนนักศึกษา

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*****
*      ASSIGNMENT          : 4                               ●
*      CS 000              : BASIC PROGRAMMING             *
*                          : dBASE II                     *
*                          : SURIYA YAYUBSUK              *
*                          : 26701267                    *
*                                                                ●
*      PROGRAM  TRANSC1    : program section I             *
*****
*
* Program for print transcript of student
* This program has 2 program section          TRANSC 1 and TRANSCZ
* in This program use 3 file
*
*      FIFL              : a history of student
*                          use in program B
*      SEFL              : subject and mat-k of student
*      THFL              : subject library ( subject name )
*                          use in program c
* ~~~~~
*      : main program
* ~~~~~
ERASE
SET CONSOLE ON
SET ESCAPE ON
SET TALK OFF
@ 2,1 SAY ' PROGRAM FOR FRINT TRANSCRIF
@ 3,1 SAY ' for work this program enter : 1 :
INPUT TO OPTION
IF OPTION <> 1
SET FRINT OFF
SET CONSOLE ON
* RELEASE ALL
ERASE
RETURN
ENDIF
ACCEPT ' ENTER DATE A 5 month. day. year. : TO DATY
*****
USE FIFL INDEX FIIND
@ 10,1 SAY this program use STUDENT ID for check and input
?
ACCEPT ENTER ID FOR REPORT ' TO OCOD
FIND %OCOD
STORE $(OCOD,3,1) TO A
*****

```

```

SET CONSOLE ON
RETURN
ENDCASE
ERASE
? ' TRANSCRIP FOR      : '+ NAME
?
? ' ID. '+ STR(CODE,8)
@ 10,15 SAY ' *****Lx WINTER UPERATION *****
??CHR(7)
SET CONSOLE OFF
SET PRINT ON
?? CHR(27)+'!' +CHR(28)
*****
? ' RAMKHAMHAENG UNIVERSITY '
? ' BANGKOK THAILAND '
? ' ADMISSION AND RECORD OFFICE
? ' OFFICIAL TRANSCRIPT OF RECORD
?
? ' STUDENT CODE : '
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)
?? STR(CODE,8)
?? CHR(27)+'-' +CHR(48)
?? CHR(27)+'!' +CHR(28)
?? ' NAME : '
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)
?? NAME
?? CHR(27)+'-' +CHR(48)
? CHR(27)+'!' +CHR(28)
? ' ; ' + LITERAL
? ' Date of Admission :
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)
?? DATY
?? CHR(27)+'-' +CHR(48)
?? CHR(27)+'!' +CHR(28)
?? ' Date of Rirth ; '
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)
?? BIRTH
?? CHR(27)+'-' +CHR(48)
? CHR(27)+'!' +CHR(28)
?? ' from ; '
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)
?? FROM
?? CHR(27)+'-' +CHR(48)
?? CHR(27)+'!' +CHR(28)
?? ' Place of Rirth :
?? CHR(27)+'!' +CHR(20)
?? CHR(27)+'-' +CHR(49)
?? PLACE
?? CHR(27)+'-' +CHR(48)
? CHR(27)+'!' +CHR(28)
?? ' date : '
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)
?? TIME
?? CHR(27)+'-' +CHR(48)
?? CHR(27)+'!' +CHR(28)
?? Number of credit transfer :
?? CHR(27)+'!' +CHR(12)
?? CHR(27)+'-' +CHR(49)

```

```

??
?? CHR(27)+'!' +CHR(28)
?? CHR(27)+'-' +CHR(48)
? CHR(27)+'1'
?? CHR(27)+'S'+ CHR(49)
3 ' GRADING SYSTEM :
?? CHR(27)+'!' + CHR(17)
?? ' G = good , P = pass , * = failure , -* = absent
? .
?? ' ( P = 60 - 74 % , G = 75 = 100% ) P = 2.25 , G = 4.00
? CHR(27)+'!' +CHR(28)
? ' NOTE : '
?? CHR(27)+'!' +CHR(8)
?? This TRANSCRIPT is valid only when it bears the seal of the
? .
?? 'university and the original signature in ink. Any erasure or altharnation
? an this copy render the whole transcript invalid
?? CHR(27)+'2'
?? CHR(27)+'T'
?? CHR(27)+'!' +CHR(28)
?
? , ,
?? '=====
?? CHR(27)+'!' +CHR(20)
? ' COURSE NUMBER COURSE TITLE
?? , CR. GR. '
?? CHR(27)+'!' +CHR(28)
? , '
?? '-----
? ' CHR(7)
SET PRINT OFF
SET CONSOLE ON
?? CHR(7)
*****
DO TRANSC2
*****

```

```

*****
*          PROGRAM TRANSC2 :  program section II          *
*****
ERASE
USE
SELECT PRIMARY
USE SEFL INDEX SEIND
SELECT SECONDARY
USE THFL INDEX THINO
*****
SELECT PRIMARY
FIND &OCOD
STORE '0' TO INK
STORE ' ' TO KS
STORE ' ' TO CTER
STORE 0 TO Q
STORE 0 TO R
STORE 0 TO M
STORE 0 TO N
? '          TO BE WORK FOR PRINT TRANSCRIPT '
? '          ..... PRINTER OPERATION ..... '
SET CONSOLE OFF
SET PRINT ON
? CHR(27)+'!' +CHR(8)
?? CHR(7)
*****
DO WHILE OCOD = SCODE
  IF STERN <> CTER
    IF INK <> '0'
      ? '          + OCOD + '          : ' + STR(Q,2)+          + STR(N,2)
      ?? '          **
      ?
    ?
  ?
  ENDIF
  IF KS = 'S'
    IF STERN <> CTER
      ? CHR(27)+'!' +CHR(28)
      '+ OCOD + '          : ' + STR(R,3)+          ' + STR(M,3)
      ?? '          **
      ? ' '
    ?
    ?
    ? CHR(7)
    ? CHR(7)
    ? CHR(12)
    ? CHR(27)+'!' +CHR(20)
    ? '          COURSE NUMBER          COURSE TITLE
    ? '          DE.          OR
    ? CHR(27)+'!' +CHR(28)
  ?
  ?
  ? CHR(27)+'!' +CHR(8)
  ENDIF
ENDIF
STORE #(STERN,1,1) TO CH
DO CASE
CASE CH = '1'
  ?
  STORE TO KS F IRST SEMASTER
  STORE 0 TO Q
  STORE 0 TO N
CASE CH = '2'

```

```

                ?
                STORE Q TO Q
                STORE Q TO N
                CASE CH = 'S'
                ? ,
                STORE 'S' TO KS
                STORE Q TO Q
                STORE Q TO N
                OTHERWISE
                SET PRINT OFF
                SET CONSOLE ON
                ? ' ***** DATA ERROR IN TERM CODE *****
                RETURN
            ENDCASE
            ?? , ' + STERN
            ?
            STORE ' 1 ' TO INK
            STORE STERM TO CTER
        ENDIF
        *****
        DO CASE
            CASE SMARK = 0
                STORE '-' TO PMAR
            CASE SMARK < 60
                STORE '-' TO PMAR
            CASE SMARK : 80
                STORE 'P' TO PMAR
                STORE N + TCR TO N
                STORE M + TCR TO ti
            OTHERWISE
                STORE 'G' TO PMAR
                STORE N + TCR TO N
                STORE ti + TCR TO M
        ENDCASE
        *****
        STORE SSUB TO SEAR
        SELECT SECONDARY
        FIND &SEAR
        STORE Q + TCR TO Q
        STORE R + TCR TO R
        ? ' ' + TSUB + ' ' + TTITLE + ' ' + STR(TCR,2) + ' ' + PMAR
        *****
        SELECT PRIMARY
        SKIP
        ?? CHR(7)
    ENDDO
    *****
    ?
    ? ' ' + OCOD + ' ' : ' + STR(Q,2) + ' ' + STR(N,3)
    ? ? ' ' ** '
    ?
    ? CHR(27) + ' ' + CHR(28)
    ? ' '
    ?? '-----'
    ?
    ? ' ' + OCOD + ' ' TOTAL : ' + STR(R,3) + ' ' + STR(M,3)
    ? ? '
    ? ' '
    ?? '=====
    ?? CHR(7)
    ?? CHR(7)
    ? CHR(12)
    SET PRINT OFF
    SET CONSOLE CN

```

```
*****  
DO TRANSC1  
*****
```

RAMKHAMHAENG UNIVERSITY  
BANGKOK THAILAND  
ADMISSION AND RECORD OFFICE  
OFFICIAL TRANSCRIPT OF RECORD

STUDENT CODE. : 6 1126 1 NAME : SURIYA YAYUSSUK

: FACULTY OF ECONOMICS

Date of Admission : Feb. 15, 1984. Date of Birth : Feb. 18, 1964.  
 from : THANSETHAPITSEK Place of Birth : BANGKOK  
 date : 1984 Number of credit transfer :     

GRADING SYSTEM : G = Good ; P = Pass ; F = Failure ; A = Absent  
 ( P = 60 - 74 % ; G = 75 - 100 % ) P = 2.25 ; G = 4.00

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COURSE NUMBER	COURSE TITLE	CR.	GR.
FIRST SEMASTER : 1/26			
AC 101	PRINCIPLE OF ACCOUNTING I	3	F
EC 111	MICROECONOMIC I	3	F*
EN 101	FUNDAMENTAL ENGLISH I	3	P
MA 111	ANALYTIC GEOMETRY AND CALCULUS I	3	P
PY 103	INTRODUCTION TO PHILOSOPHY	3	P
SO 103	INTRO. TO SOCIOLOGY AND ANTHROPOLOGY	3	P
26701267	: 18	12	**
SECOND SEMASTER : 2/26			
CS 200	INTRODUCTION TO DATA PROCESSING	3	G
EC 111	MICROECONOMIC I	3	G
EN 102	FUNDAMENTAL ENGLISH II	3	P
GE 224	ECONOMIC GEOGRAPHY	3	P
MA 112	ANALYTIC GEOMETRY AND CALCULUS II	3	
SO 103	BASIC SCIENCE	3	G
26701267	: 18	15	**
SUMMER SEMASTER : S/26			
EC 214	HISTORY OF ECONOMIC THOUGHT	3	P
LA 103	PRINCIPLE OF JURISPRUDENCE	3	G
PS 110	THAI POLITICS AND GOVERNMENT	3	G
26701267	: 9	9	**
26701267	: 45	36	**



COURSE NUMBER

COURSE TITLE

CR. GR.

## FIRST SEMASTER : 1/27

CS 210	COBOL PROGRAMMING	3	-
CS 220	COMPUTER OPERATION	3	P
EC 112	MACROECONOMIC I	3	P
EC 211	MICROECONOMIC II	3	-
EC 213	ECONOMIC HISTORY	3	-
EN 201	FUNDAMENTAL ENGLISH III	3	-
WI 101	WESTERN CIVILIZATION	3	P
ST 203	PRINCIPLE OF STATISTICS	3	-
26701267		: 24	9 **

## SECOND SEMASTER : 2/27

CS 210	COBOL PROGRAMMING	3	P
CS 320	ADVANCE COMPUTER OPERATION	3	G
CS 330	R.P.G. PROGRAMMING	3	P
EC 211	MICROECONOMIC II	3	P
EC 212	MACROECONOMIC II	3	-
EC 299	THAI ECONOMY	3	P
EN 202	FUNDAMENTAL ENGLISH IV	3	P
ST 203	PRINCIPLE OF STATISTICS	3	P
26701267		: 24	21 **

## SUMMER SEMASTER : 5/27

EC 342	ECONOMIC OF TAXATION	3	P
EN 201	FUNDAMENTAL ENGLISH III	3	P
MA 112	ANALYTIC GEOMETRY AND CALCULUS II	3	-*
MB 307	PUBLIC FINANCE	3	P
26701267		: 12	9 **

26701247		: 105	75	• □
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COURSE NUMBER	COURSE TITLE	CR.	GR.
FIRST SEMASTER		1/28	
AC 10:	FEINCIPLE OF ACCOUNTING I	3	P
cs 216	BASIC PROGRAMMING	3	P
CS 341	INFORMATION STRUCTURE	3	P
EC 212	MACROECONOMIC I I	3	P
EC 213	ECONOMIC HISTORY	3	G
EC 216	STATISTIC FOR ECONOMISTS	3	-*
EC 331	ECONOMIC FOR MONEY A N D BANKING	3	P
MA 112	ANALYTIC GEOMETRY AND CALCULUS II	3	-
26701267	: 24	18	**
-----			
26701267	TOTAL	: 129	93 **
=====			

RAMKHAMHAENG UNIVERSITY  
BANGKOK THAILAND  
ADMISSION AND RECORD OFFICE  
OFFICIAL TRANSCRIPT OF RECORD

STUDENT CODE : 26240419 NAME : KITIMA NILSDM

: FACULTY OF BUSINESS ADMINISTRATION  
Date of Admission : Feb. 15. 1986. Date of Birth : Sep. 8. 1963.  
from : JOMSURANKUPATHAM Place of Birth : PRANAKHONSRIAYUTTHAYA  
date : 1982 Number of credit transfer : \_\_\_\_\_

GRADING SYSTEM : G = good , P = pass , - = failure , \*\* = absent  
( P = 60 - 74 % , G = 75 - 100% ) P = 2.25 , G = 4.00

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COURSE NUMBER	COURSE TITLE	CR.	GR.
FIRST SEMASTER : 1/26			
AC 101	PRINCIPLE OF ACCOUNTING I	3	--*
EC 111	MICROECONOMIC I	3	G
EN 101	FUNDAMENTAL ENGLISH I	3	P
MA 113	CALCULUS I	3	P
HI 101	WESTERN CIVILIZATION	3	-
PC 103	GENERAL PSYCHOLOGY	3	-
PY 103	INTRODUCTION TO PHILOSOPHY	3	P
26240419	:	2: 12	**
SECOND SEMASTER : 2/26			
AC 102	PRINCIPLE OF ACCOUNTING II	3	P
EN 102	FUNDAMENTAL ENGLISH II	3	-
EM 103	INTRODUCTION TO BUSINESS	3	G
LA 103	PRINCIPLE OF JURISPRUDENCE	3	G
LS 103	USING THE LIBRARY	1	P
MA 114	CALCULUS II	3	-
PS 110	THAI POLITICS AND GOVERNMENT	3	--*
26240419	:	19 12	**
SUMMER SEMASTER : 8/26			
EN 102	FUNDAMENTAL ENGLISH I	3	P
MA 114	CALCULUS II	3	P
PY 103	INTRODUCTION TO PHILOSOPHY	3	P
26240419	:	9 9	**
26240419	:	49 33	**

COURSE NUMBER	COURSE TITLE	ca.	BR.
-----			
FIRST SEMESTER : 1/27			
EC 112	MACROECONOMIC I		
SO 103	INTRO. TO SOCIOLOGY AND ANTHROPOLOGY	3	P
TH 101	STRUCTURE OF THAI AND ITS USAGE	3	-*
LA 103	PRINCIPLE OF JURISPRUDENCE	3	P
SC 103	BASIC SCIENCE	3	B
ST 203	PRINCIPLE OF STATISTICS	3	P
26240419		: 18	15
			**
-----			
SECOND SEMESTER : 2/27			
CS 200	INTRODUCTION TO DATA PROCESSING	3	B
CS 210	COBOL PROGRAMMING	3	P
CS 220	COMPUTER OPERATION	3	-*
EN 201	FUNDAMENTAL ENGLISH III	3	P
EN 202	FUNDAMENTAL ENGLISH IV	3	
PS 103	INTRODUCTION TO POLITICAL SCIENCE	3	B
26240419		: 18	12
			**
-----			
26240419	TOTAL	: 85	to
			**
=====			