; THIS PROGRAM IS TO TAKE INPUT AND PRINT THAT IN NEW LINE.

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AH, 1 ;TAKE INPUT

INT 21H

MOV BL, AL

MOV AH, 2

MOV DL, 0DH

INT 21H

MOV DL, 0AH

INT 21H

PRINTN ""

MOV AH, 2

MOV DL, BL

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;TO TAKE MULTIPLE CHARATERS AS INPUT

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AH, 1

INT 21H

MOV BL, AL

INT 21H

MOV BH, AL

INT 21H

MOV CL, AL

INT 21H

MOV CH, AL

INT 21H

PRINTN ""

MOV AH,2

MOV DL,BL

INT 21H

MOV AH,2

MOV DL,BH

INT 21H

MOV AH,2

MOV DL,CL

INT 21H

MOV AH,2

MOV DL,CH

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

; TO PRINT STRING

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MSG DB "HELLO WORLD $"

MAIN PROC

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG

MOV AH,9

INT 21H

PRINTN

LEA DX, MSG

MOV AH, 9

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;TAKE TWO NUMBERS AS INPUT AN PRINT THE ADDITION OF THEM

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MAIN PROC

MOV AH, 1

INT 21H

MOV BL,AL

INT 21H

MOV BH, AL

ADD BL, BH

MOV AH,2

SUB BL, 48

MOV DL, BL

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;SUBTRACTION USING TWO VARIABLES

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.CODE

.DATA

VAR1 DB ?

VAR2 DB ?

MAIN PROC

MOV AX, @DATA

MOV DS, AX

MOV AH, 1

INT 21H

MOV VAR1, AL

INT 21H

MOV VAR2, AL

MOV BL, VAR2

SUB BL, VAR1

MOV AH, 2

ADD BL, 48

MOV DL, BL

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;CASE CONVERSION INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.CODE

.DATA

CAR DB ?

MAIN PROC

MOV AX, @DATA

MOV DS, AX

MOV AH, 1

INT 21H

SUB AL, 32 ;FOR LOWERCASE TO UPPERCASE

;ADD AL, 32 ;FOR UPPERCASE TO LOWERCASE

MOV AH, 2

MOV DL, AL

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;EQUATION 2A-2B+C

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.DATA

.CODE

MS1 DB "ENTER NUMBER:$"

MS2 DB "RESULT:$"

MAIN PROC

MOV AX, @DATA

MOV DS, AX

LEA DX, MS1

MOV AH, 9

INT 21H

MOV AH, 1

INT 21H

MOV BL, AL

ADD BL, BL

SUB BL, 48

INT 21H

MOV CL, AL

ADD CL, CL

SUB CL, 48

INT 21H

MOV CH, AL

ADD BL, CH

SUB BL, 48

SUB BL, CL

ADD BL, 48

PRINTN ""

LEA DX, MS2

MOV AH, 9

INT 21H

MOV AH, 2

MOV DL, BL

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;GREATEST NUMBER FROM 3 INPUTS

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.DATA

.CODE

VAR1 DB ?

VAR2 DB ?

VAR3 DB ?

MAIN PROC

MOV AX, @DATA

MOV DS, AX

MOV AH, 1

INT 21H

MOV VAR1, AL

INT 21H

MOV VAR2, AL

MOV BL, VAR2

INT 21H

MOV VAR3, AL

MOV CL, VAR3

CMP VAR1, BL

JG NEXT

CMP CL, BL

JG NEXT

MOV AH, 2

MOV DL, BL

INT 21H

JMP EXIT

NEXT:

CMP VAR1, CL

JG LAST

MOV AH, 2

MOV DL, CL

INT 21H

JMP EXIT

LAST:

MOV AH, 2

MOV DL, VAR1

INT 21H

JMP EXIT

EXIT:

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;ADD MESSAGE

INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.CODE

.DATA

MSG1 DB "ENTER NUMBERS:$"

MSG2 DB "THE MULTILICATION "

NUM1 DB ?

MSG3 DB " AND "

NUM2 DB ?

MSG4 DB " IS: "

ANS DB ?

MSG5 DB "$"

MAIN PROC

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG1

MOV AH, 9

INT 21H

MOV AH, 1

INT 21H

MOV NUM1, AL

INT 21H

MOV NUM2, AL

MOV BL, NUM2

ADD BL, NUM1

SUB BL, 48

MOV ANS, BL

PRINTN ""

LEA DX, MSG2

MOV AH, 9

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

;LOOP NUMBER PRINT INCLUDE "EMU8086.INC"

.MODEL SMALL

.STACK 100H

.CODE

.DATA

MAIN PROC

MOV CX, 10

MOV AH, 2

MOV DL, 48

LEVEL:

INT 21H

PRINTN ""

INC DL

LOOP LEVEL

EXIT:

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN