**TASK02**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

X DB "286 $"

Y DB "CAN NOT CALCULATE $"

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

SUB AX,AX

SUB BX,BX

SUB CX,CX

SUB DX,DX

MOV BX,0H

MOV AX,2H

CMP BX,0H

JE L2

JMP NEXT

L2:

CMP BX,69H

JL L1

JMP L5

L1:

ADD BX,AX

MOV CX,BX

MOV BX,AX

MOV AX,CX

ADD DX,BX

JMP L2

L5:

CMP DX,286

JE L3

JNE L4

L3:

MOV AX,DX

LEA DX,X

MOV AH,9

INT 21h

SUB AX,AX

JMP NEXT

L4:

MOV AX,DX

LEA DX,Y

MOV AH,9

INT 21h

SUB AX,AX

NEXT:

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK03**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

S DB "DIVIDE OR MULTIPLY $"

X DB "REMAINDER IS: $"

MSG DB 60 DUP(?)

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

MOV SI,OFFSET MSG

; YOUR CODE STARTS HERE

LEA DX,S

MOV AH,9

INT 21h

SUB DX,DX

input:

mov ah,1

int 21h

cmp al,13

je display

mov [si],al

inc si

jmp input

display:

mov [si],'$'

mov di,offset msg

mov dl,13

mov ah,2

int 21h

mov dl,10

mov ah,2

int 21h

again:

cmp [di],'$'

je last

cmp [di],32

je next

mov dl,[di]

mov ah,2

Int 21h

inc di

Jmp again

next:

mov dl,13

mov ah,2

int 21h

mov dl,10

mov ah,2

int 21h

inc di

jmp again

last:

MOV AH,4CH

MOV DL,AL

MOV BX,2050

MOV AX,4

CMP DL,45H

JE L1

CMP DL,65H

JE L1

JMP L2

L1:

SUB CX,CX

SUB DX,DX

START:

ADD CX,1

SUB BX,AX

CMP BX,AX

JL L3

JMP START

L2:

SUB CX,CX

SUB DX,DX

STARTS:

ADD CX,1

ADD DX,BX

CMP CX,AX

JE L4

JMP STARTS

L3:

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

LEA DX,X

MOV AH,9

INT 21h

ADD BL,30H

MOV DL,BL

MOV AH,2

INT 21h

L4:

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN