**TASK1.**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

MOV BX,9

MOV AX,5

ADD AX,BX

SUB DX,BX

ADD DX,AX

SUB AX,DX

SUB BX,BX

ADD BX,DX

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK2.**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

A DB 5

B DB 0

C DB 6

D DB 2

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

SUB AX,AX

SUB CX,CX

MOV AL,A

MOV BL,B

MOV CL,C

MOV DL,D

SUB CL,AL

SUB AL,CL

ADD DL,AL

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK3.**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

W DB 1

X DB 2

Y DB 1

Z DB 4

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

SUB AX,AX

SUB CX,CX

MOV AL,W

MOV BL,X

MOV CL,Y

MOV DL,Z

MUL CL

MOV CL,AL

MOV AL,BL

MUL DL

MOV BL,AL

DIV CL

DIV BL

MOV BL,AL

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK4.**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

SUB AX,AX

SUB CX,CX

MOV AX,5

MOV CX,2

MUL CX

MOV CX,AX

ADD BX,4

SUB BX,0

ADD CX,BX

MOV DX,5

ADD DX,3

ADD DX,2

ADD CX,DX

SUB BX,BX

MOV AL,6

MOV BL,2

DIV BL

SUB CX,BX

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN