**TASK01.**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

X DB "The result is$"

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

SUB BX,BX

SUB CX,CX

MOV AH,01H

INT 21h

MOV AH, 0

SUB AL, 48

MOV CL,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

MOV AH,01H

INT 21h

MOV AH, 0

SUB AL, 48

MOV BL,AL

MOV DL,0Dh

MOV AH,2

INT 21h

MOV DL,0Ah

MOV AH,2

INT 21h

LEA DX,X

MOV AH,9

INT 21h

SUB DX,DX

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

ADD CL,BL

ADD CL,48

MOV DL,CL

MOV AH,2

INT 21h

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK02**

.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 AH,01H

INT 21h

MOV CL,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

SUB DX,DX

MOV DL,00

INT 21h

MOV BL,32

SUB CL,BL

MOV DL,CL

MOV AH,2

INT 21h

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK03**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

X DB "Enter First Initial: $"

Y DB "Enter Second Initial: $"

Z DB "Enter Third Initial: $"

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

LEA DX,X

MOV AH,9

INT 21h

MOV AH,1

INT 21h

MOV BL,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

LEA DX,Y

MOV AH,9

INT 21h

MOV AH,1

INT 21h

MOV CL,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

LEA DX,Z

MOV AH,9

INT 21h

MOV AH,1

INT 21h

MOV CH,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

LEA DX,Z

MOV AH,9

INT 21h

MOV AH,1

INT 21h

MOV BH,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

MOV DL,BL

INT 21h

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

MOV DL,CL

INT 21h

MOV DL,CH

INT 21h

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

MOV DL,BH

INT 21h

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN

**TASK04**

.MODEL SMALL

.STACK 100H

.DATA

; DEFINE YOUR VARIABLES HERE

X DB "ENTER FIRST HEX DIGIT: $"

Y DB "ENTER SECOND HEX DIGIT: $"

Z DB "IN DECIMAL SUBTRACTION IS $"

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

; YOUR CODE STARTS HERE

LEA DX,X

MOV AH,9

INT 21h

MOV AH,1

INT 21h

MOV BL,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

LEA DX,Y

MOV AH,9

INT 21h

MOV AH,1

INT 21h

MOV CL,AL

MOV AH,2

MOV DL,0DH

INT 21h

MOV DL,0AH

INT 21h

LEA DX,Z

MOV AH,9

INT 21h

MOV DL,49

SUB BL,DL

SUB CL,DL

SUB BL,CL

ADD BL,48

MOV DL,BL

MOV AH,2

INT 21h

; YOUR CODE ENDS HERE

MOV AX, 4C00H

INT 21H

MAIN ENDP

END MAIN