**Lab10**

Full in name: Group:

Student ID:

Please explain how they work by commenting line by line

---10.1---

.model small

.stack 100h

.data

.code

MAIN PROC

MOV bl, 3 ;Assign 3 to bl register

MOV cl, 1 ;Assign 1 to cl register

ADD bl, cl ;Adding the value of bl and cl then assign to bl

ADD bl, 48 ;Adding 48 into the addition result For ASCII Management

MOV dl, bl ;Moving the value of bl into dl for performing output

MOV ah, 2 ;Calling print Function for print value in dl register

INT 21H ;Calling text Interupt

MOV ah, 4CH ;Calling Exit Function

INT 21H ;Calling text Interupt

MAIN ENDP

END MAIN

---10.2---

.model small

.data

.code

MAIN PROC

MOV al, 5

MOV bl, 2

ADD ah, 48

MOV bh, ah

ADD al, 48

MOV bl, al

MOV dl, bh

MOV ah, 2

INT 21H

MOV dl, bl

MOV ah, 2

INT 21H

MOV ah, 4CH

INT 21H

MAIN ENDP

END MAIN

---10.3---

;Program to convert UPPER into LOWER letter

.model small

.stack 100h

.data

.code

MAIN PROC

;Input Character

MOV ah, 1 ;

INT 21H ;

MOV bl, al ;

;Printing next line

MOV dl, 0DH ;

MOV ah, 2 ;

INT 21H ;

MOV dl, 0AH ;

MOV ah, 2 ;

INT 21H ;

;Printing Character

MOV dl, bl ;

ADD dl, 32 ;

MOV ah, 2 ;

INT 21H ;

;Calling Exit FunctioN

MOV ah, 4CH ;

INT 21H ;

MAIN ENDP

END MAIN