**Esha Shahzad**

**Sap#55593**

**Lab#6**

**Task#1: Write a program in assembly language to print your CV or Bio data.**

.model small

.stack 100h

.data

msg db ' Name: Esha Shahzad$'

mgf db 'Address:Gulberg green block f$'

tx db 'Experience:done internship as an software engineer$'

sx db 'Contact:00222233344$'

gx db 'Email:esha@gmail.com$'

.code

main proc

mov ax, @data

mov ds, ax

mov dx, offset msg x

mov ah, 9

int 21h

mov dl, 10

mov ah, 2

int 21h

mov dl, 13

int 21h

mov dx, offset mgf

mov ah, 9

int 21h

mov dl, 10

mov ah, 2

int 21h

mov dl, 13

int 21h

mov dx, offset tx

mov ah, 9

int 21h

mov dl, 10

mov ah, 2

int 21h

mov dl, 13

int 21h

mov dx, offset sx

mov ah, 9

int 21h

mov dl, 10

mov ah, 2

int 21h

mov dl, 13

int 21h

mov dx, offset gx

mov ah, 9

int 21h

mov ah, 4ch

int 21h

main endp

end main

**Task#2:** **Write a program that input a character from user and print that again on screen in the given format. The user entered x character**.

.model small

.stack 100h

.data

msg db ' You Entered $'

msg1 db 'Character $'

main proc

mov ax, @data

mov ds, ax

mov dl, msg

mov dx, offset msg

mov ah, 9

int 21h

mov ah, 1

int 21h

mov ax ,bx

mov ah,2

int 21h

mov ax, @data

mov ds, ax

mov dl, msg1

mov dx, offset msg1

mov ah, 9

int 21h

mov ah, 4ch

int 21h

main endp

end main

**Task#3:** **Write a program that input a character from user is in lowercase, the program will convert it to uppercase and will display it on console after conversion. Show messages stored in variable strings to the user.**

.model small

.stack 100h

.data

msg1 db 'Enter a lowercase character: $'

msg2 db 'The uppercase character is: $'

.code

main proc

mov ax, @data

mov ds, ax

mov dl,msg1

mov dx, offset msg1

mov ah, 09h

int 21h

mov ah, 01h

int 21h

mov bx, ax

mov dl, 13

mov ah, 02h

int 21h

mov dl, 10

mov ah, 02h

int 21h

mov dl,msg2

mov dx, offset msg2

mov ah, 09h

int 21h

sub bx, 32

mov dx, bx

mov ah, 02h

int 21h

mov ah, 4Ch

int 21h

main endp

end main