**Riphah International University**

**Zainab Shahzad**

**Sap Id 56108**

**COAL LAB**

**LAB TASK**

**TASK 1:**

.model small

.stack 100h

.data

.code

char db 'A'

main proc

mov ah, 02h

mov dl, char

int 21h

mov ah, 4Ch ;

int 21h

main endp

end main

**TASK 2:**

.model small

.stack 100h

.data

.code

name db 'YourName$', 0

main proc

mov ah, 09h

lea dx, name

int 21h

mov ah, 4Ch

int 21h

main endp

end main

**TASK 3:**

.model small

.stack 100h

.data

.code

char db ?, '$'

msg db 'Enter a lowercase character: $'

upper\_msg db 0Ah, 0Dh, 'Uppercase character: $'

main proc

mov ah, 09h

lea dx, msg

int 21h

mov ah, 01h

int 21h

mov char, al

; Convert to uppercase (subtract 32 from ASCII value)

sub al, 20h

mov char, al

; Display message for uppercase character

mov ah, 09h

lea dx, upper\_msg

int 21h

; Display the uppercase character

mov ah, 02h

mov dl, char

int 21h

mov ah, 4Ch

int 21h

main endp

end main