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**COURSE: COAL LAB 03**

**TASK 1:**

Write an assembly program to print a single character on screen?

**CODE:**

.model small

.stack 100h

.data

.code

char db ‘2’

main proc

mov ah. 02h

mov dl char

int 21h

mov ah. 4Ch:

int 21h

main endp

end main

**TASK 02:**

Write a program to print your name on screen with characters?

**CODE:**

.model small

.stack 100h

.data

.code

name db Your Name$.0

main proc

mov ah 09h

mov dx name

int 21h

mou ah. 4Ch

int 21h

main endp

end main

**TASK 03:**

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.

**CODE:**

.model small

.stack 100h

.data

.code

char db@

msg db Enter a lowercase character: @ upper\_msg db OAh. ODh Uppercase character: @

main proc

mov ah 09h

lea dx, msg

int 21h

mou 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 01h

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