SYSTEM PROGRAMMING LAB LAB 1

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Q2.> Modify the question 1 program to allow users to enter the name and enrolment number.

```
section .data
msg1 db "Enter your Name? ",0xA,0xD
len1 equ $ - msg1
msg2 db "Enter your Enrollment Number: ",0xA,0xD
len2 equ $ - msg2
msg3 db "Your name is ",
len3 equ $ - msg3
msq4 db "Your enrollment number is "
len4 equ $ - msg4
section .bss
name resb 30
Eroll resb 10
section .text
global_start
start:
;sequence:
msg1 -> setname -> msg2 -> setroll -> msg3 -> getname
-> msg4 -> getroll
```

;Printing "What is your Name?"

mov eax, 4 ;message length

mov ebx, 1 ;file descriptor (stdout)

mov ecx, msg1 ;message what to print

mov edx, len1 ;length of the message

int 80h ;call kernel

;Read and Store "User Name"

mov eax, 3 ;message is read

mov ebx, 2 ;value is to be inserted

mov ecx, name ;name is entered

mov edx, 30 ;length of the 'name'

int 80h ;call kernel

;Asking user to enter enrollment number

mov eax, 4 ;message length

```
mov ebx, 1 ;file descriptor (stdout)
```

mov ecx, msg2 ;stating what to print

mov edx, len2 ;length of the message

int 80h ;call kernel

;Read and Store "User Identity Number"

mov eax, 3 ;message is read

mov ebx, 2 ;value is to be inserted

mov ecx, Eroll ;enrollment number is entered

mov edx, 10 ;length of the Eroll

int 80h ;call kernel

;Printing "Your name is "

mov eax, 4 ;message length

mov ebx, 1 ;file descriptor (stdout)

mov ecx, msg3 ;stating what to print

mov edx, len3 ;length of the message

int 80h ;call kernel

;printing "User Name"

```
mov eax, 4 ;message length
mov ebx, 1 ;file descriptor (stdout)
```

mov ecx, name ;stating what to print

mov edx, 30 ;length of the 'name'

int 80h ;call kernel

;Printing "Your Enrollment number is "

```
mov eax, 4 ;message length
```

mov ebx, 1 ;file descriptor (stdout)

mov ecx, msg4 ;stating what to print

mov edx, len4 ;length of the message

int 80h ;call kernel

;Read and Store "User Enrollment Number"

mov eax, 4 ;message length

mov ebx, 1 ;file descriptor (stdout)

mov ecx, Eroll ;stating what to print

mov edx, 10 ;length of the 'roll'

int 80h ;call kernel

;exit code

mov eax, 1

mov ebx, 0

int 80h

<u>output</u>

