OCTOBER 3, 2022

COMPUTER ORGANIZATION & ASSEMBLY LANGUAGE LAB

LAB 01 PRACTICE TASK

BCS203193

MUHAMMAD HARRIS - SECTION 4

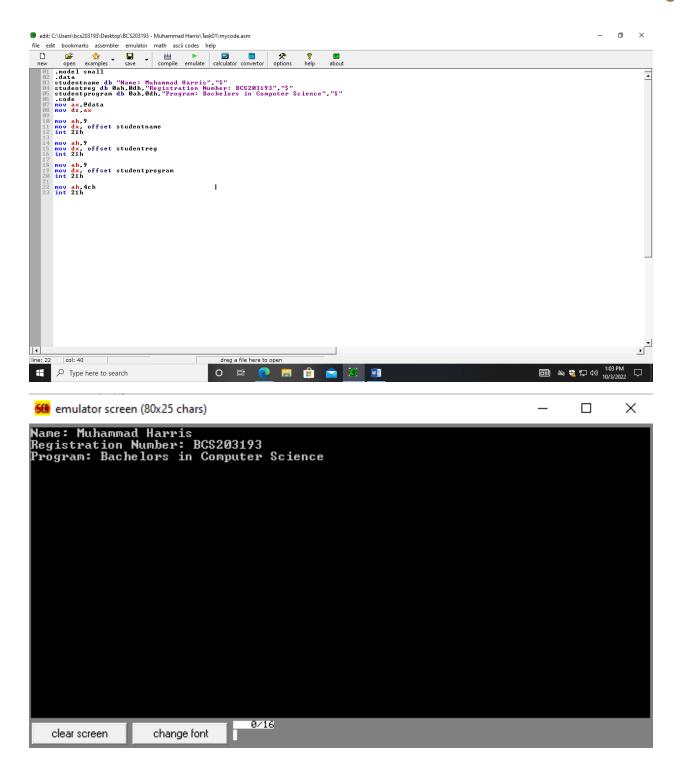


Practice Task

Task 01

Print your university card's detail on console in the proper format.

```
Code:
.model small
.data
studentname db "Name: Muhammad Harris", "$"
studentreg db 0ah,0dh,"Registration Number: BCS203193","$"
studentprogram db 0ah,0dh,"Program: Bachelors in Computer Science","$"
.code
mov ax,@data
mov ds,ax
mov ah,9
mov dx, offset studentname
int 21h
mov ah,9
mov dx, offset studentreg
int 21h
mov ah,9
mov dx, offset studentprogram
int 21h
mov ah,4ch
int 21h
```



Task 02

Print the Triangle on the screen with "*" character.

```
Code:
.model small
.data
lineone db " *","$"
linetwo db 0ah,0dh," ***","$"
linethree db 0ah,0dh," *****","$"
linefour db 0ah,0dh,"******","$"
.code
mov ax,@data
mov ds,ax
mov ah,9
mov dx, offset lineone
int 21h
mov ah,9
mov dx, offset linetwo
int 21h
mov ah,9
mov dx, offset linethree
int 21h
mov ah,9
mov dx, offset linefour
int 21h
mov ah,4ch
int 21h
```

