LAB TASKS

Name: Manahil Waseem
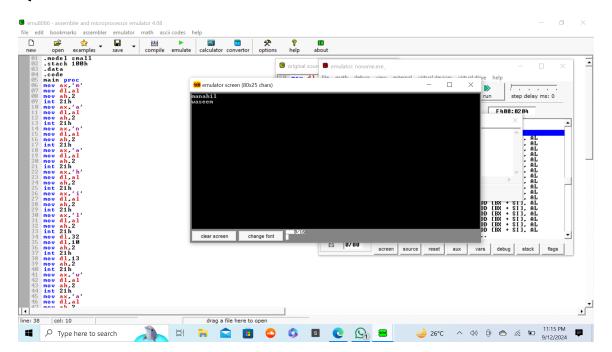
Sap id: 54035

Program: Bs Software Engineering

Course: Coal La

Submitted To. Ma'am Fareeha

Q#1:

```asm
01 .model small
02 .stack 100h
03 .data
04 .code
05 main proc
06 mov ax,'m'
07 mov dl,al
08 mov ah,2
09 int 21h
10 mov ah,4ch
11 int 21h
12 main endp
13 end main
```

Q#2:


```asm
01 .model small
02 .stack 100h
03 .data
04 .code
05 main proc
06 mov ax,'m'
07 mov dl,al
08 mov ah,2
09 int 21h
10 mov ax,'a'
11 mov dl,al
12 mov ah,2
13 int 21h
14 mov ax,'n'
15 mov dl,al
16 mov ah,2
17 int 21h
18 mov ax,'a'
19 mov dl,al
20 mov ah,2
21 int 21h
22 mov ax,'h'
23 mov dl,al
24 mov ah,2
25 int 21h
26 mov ax,'i'
27 mov dl,al
28 mov ah,2
29 int 21h
30 mov ax,'l'
31 mov dl,al
32 mov ah,2
33 int 21h
34 mov dl,32
35 mov dl,10
36 mov ah,2
37 int 21h
38 mov dl,13
39 mov ah,2
40 int 21h
41 mov ax,'w'
42 mov dl,al
43 mov ah,2
44 int 21h
45 mov ax,'a'
46 mov dl,al
47 mov ah,2
```

Q#3:

file   edit   bookmarks   assembler   emulator   math   ascii codes   help

new   open   examples   save   compile   emulate   calculator   convertor   options   help   about

```
01  .model small
02  .stack 100h
03  .data
04  .code
05  main proc
06  mov ah,1
07  int 21h
08  mov dl,al
09  sub dl,32
10  mov ah,2
11  int 21h
12
13  mov ah,1
14  int 21h
15  mov dl,al
16  add dl,32
17  mov ah,2
18  int 21h
19
20  mov ah,4ch
21  int 21h
22  main endp
23  end main
```

emulator screen (80x25 chars)

eESs

clear screen   change font   0/18

original sour   emulator pcname.exe   ive   help

run   step delay ms: step delay ms: 0

F400:0204

IOS DI
NT 021h
RET
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL
DD [BX + SI], AL

DS   0700
ES   0700

F4215: 00 000 NULL

...

screen   source   reset   aux   vars   debug   stack   flags

line: 16   col: 4   drag a file here to open

Type here to search   26°C   11:17 PM 9/12/2024