

Name: MISHAL ASIM

SAP: 62516

TASK 01

```
.model small
.stack 100h
.data
Msg1 DB 'NAME= MISHAL ASIM$'
Msg2 DB 'QUALIFICATION= BS SE$'
Msg3 DB 'SCHOOL= ISLAMABD LYCEUM$'
Msg4 DB 'SKILL=COMPILING RESULTS ON WORD,EXCEL, CANVA USER$'
.code
main proc
    mov ax,@data
    mov ds,ax
    mov dl,msg1
    mov dx,offset msg1
    mov ah,9
    int 21h
    mov dl,10
    mov ah,2
    int 21h
    mov dx,13
    mov ah,2
    int 21h
    mov ax,@data
    mov ds,ax
    mov dl,msg2
    mov dx,offset msg2
    mov ah,9
```

```

int 21h
    mov dl,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h
mov ax,@data
mov ds,ax
mov dl,msg3
mov dx,offset msg3
    mov ah,9
int 21h
    mov dl,10
mov ah,2
int 21h
mov dx,13
mov ah,2
int 21h
    mov ax,@data
mov ds,ax
mov dl,msg4
mov dx,offset msg4
    mov ah,9
int 21h
mov ah,4ch
int 21h
main endp
end main

```

```

SCH emulator screen (80x25 chars)
NAME= MISHAL ASIM
QUALIFICATION= BS SE
SCHOOL= ISLAMABD LYCEUM
SKILL=COMPILING RESULTS ON WORD,EXCEL, CANVA USER

```

TASK 02

emu8086 - assembler and microprocessor emulator 4.08

```
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new  open  examples  save  compile  emulate  calculat


01 .model small
02 .stack 100h
03 .data
04     msg1 DB 'The user entered$'
05     msg2 DB ' character.$'
06     user DB ?
07 .code
08 main proc
09
10     mov ax,@data
11     mov ds,ax
12
13     mov ah,1
14     int 21h
15
16 |
17     mov user,al
18     mov ah,9
19     int 21h
20
21     mov dl,user
22     mov AH,2
23     int 21h
24
25     mov dl,10
26     mov ah,2
27     int 21h
28     mov dx,13
29     mov ah,2
30     int 21h
31
32
33     mov ah,4ch
34     int 21h
35     main endp
36 end main
```

F400:0204 F400:1

emulator screen (80x25 chars)

fThe user enteredf

TASK 03

 emu8086 - assembler and microprocessor emulator 4.08

file edit bookmarks assembler emulator math ascii codes help

new open examples save compile emulate calculator

```
01 .model small
02 .stack 100h
03 .data
04     msg1 DB 'Enter a lowercase letter: $'
05     msg2 DB 'The uppercase letter is: $'
06
07 .code
08 main proc
09     mov ax, @data
10     mov ds, ax
11     mov ah, 9
12     mov dx, offset msg1
13     int 21h
14     mov ah, 1
15     int 21h
16
17     sub al, 32
18
19     mov dl, 13
20     mov ah, 2
21     int 21h
22     mov dl, 10
23     mov ah, 2
24     int 21h
25
26     mov ah, 9
27     mov dx, offset msg2
28     int 21h
29
30     mov dl, al
31     mov ah, 2
32     int 21h
33
34     mov ah, 4Ch
35     int 21h
36 main endp
37 end main
38
```