MISHAL ASIM (62516)

COAL AND ASSEMBLY LANGUAGE

LAB 05

QUESTION 1:

PART 1

emu8086 - assembler and microprocessor er

file edit bookmarks assembler emulato

new open examples save

```
01 .model small
02 .stack 100h
03 .data
04 .code
05 main proc
06     mov bl,4
07     mov cl,1
08     sub bl,cl
09
10     add bl,48
11     mov dl,bl
12     mov ah,2
13     int 21h
14     mov ah,4ch
15     int 21h
16     main endp
17 end main
```

PART 2

emu8086 - assembler and microprocessor

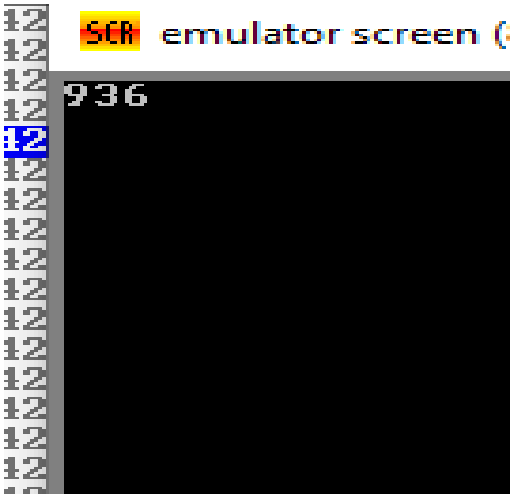
file edit bookmarks assembler emulat

new open examples save

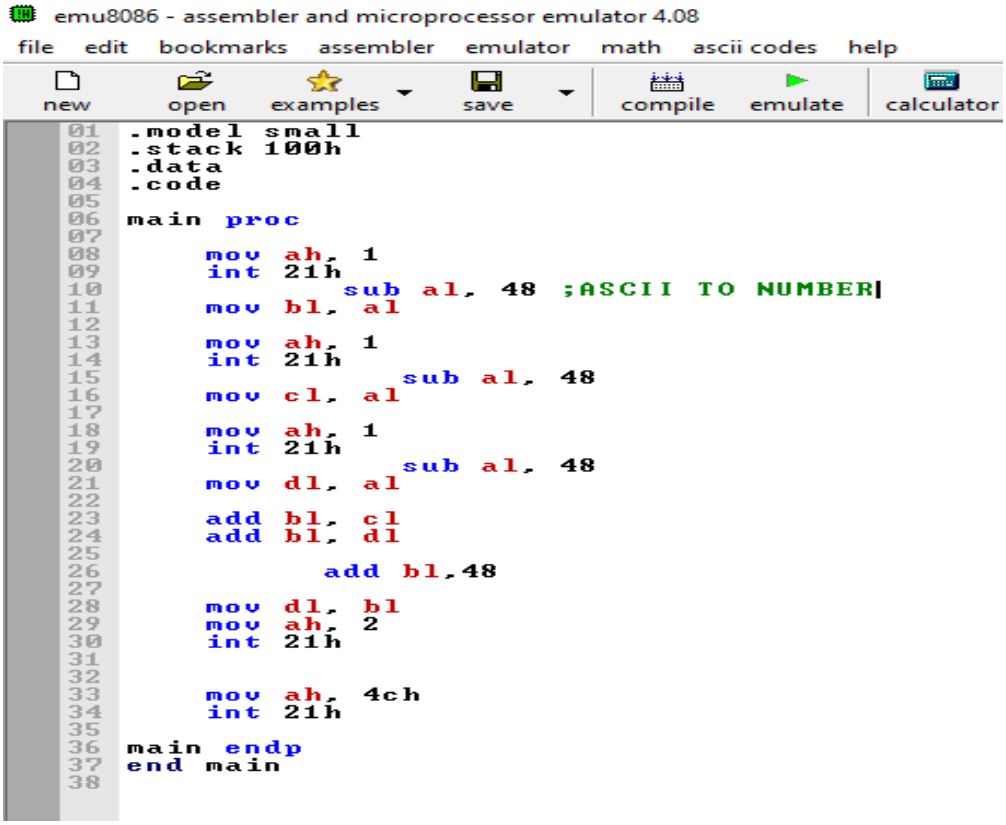
```
01 .model small
02 .stack 100h
03 .data
04 .code
05 main proc
06     mov ah,1
07     int 21h
08     mov dl,al
09     mov ah,2
10     int 21h
11
12
13     mov ah,4ch
14     int 21h
15     main endp
16 end main
```

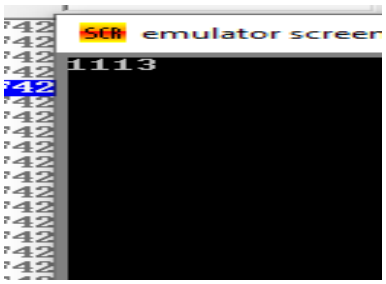
PART 3

```
new  open  examples  save  compile
01  .model small
02  .stack 100h
03  .data
04  .code
05  main proc
06
07       mov ah,1
08       int 21h
09       mov bl,al
10
11       mov ah,1
12       int 21h
13
14       sub bl,al
15
16       add bl,48
17
18
19       mov dl,bl
20
21       mov ah,2
22       int 21h
23
24
25       mov ah,4ch
26       int 21h
27       main endp
28  end main
```



QUESTION 2:





QUESTION 3:

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new open examples save

```
.model small
.stack 100h
.data
.code

main proc


      mov ah,1
      int 21h
      sub al,48
      mov bl,al


      mov ah,1
      int 21h
      sub al, 48
      mov dl,al


      mov ah,1
      int 21h
      sub al, 48
      mov cl,al


      mov al, bl
      sub al, dl
      add al, cl
      sub al, 1


      add al,48
      mov dl,al
      mov ah,2
      int 21h

      mov ah, 4Ch
      int 21h

main endp
end main
```