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BS-Software Engineering -03

```
ew open examples save compile emulate
01 .model small
02 .stack 100h
03 .data
04 .code
05 main proc
06     mov bl,3
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    main endp
15 end main
```

emulator screen (80x25 chars)

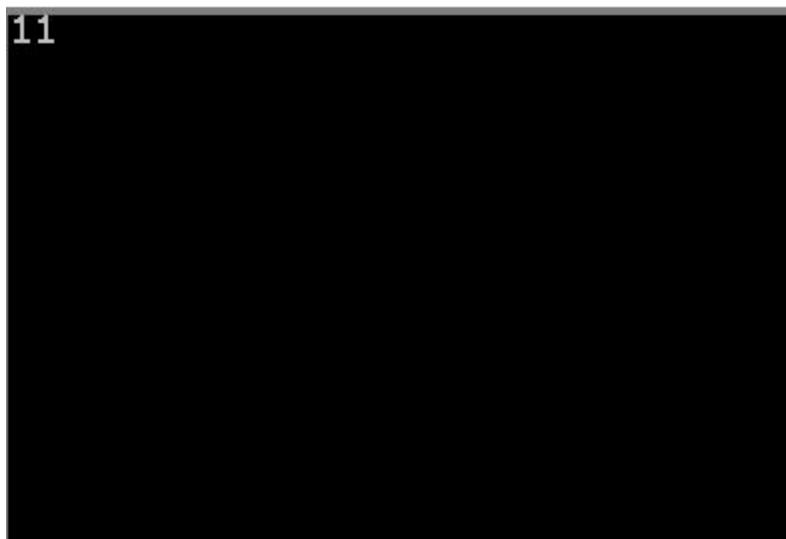
```
2
```

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



```
ew      open   examples   save   | compile   emulate   | calc  
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 mov ah,4ch  
12 int 21h  
13 main endp  
14 end main
```

11



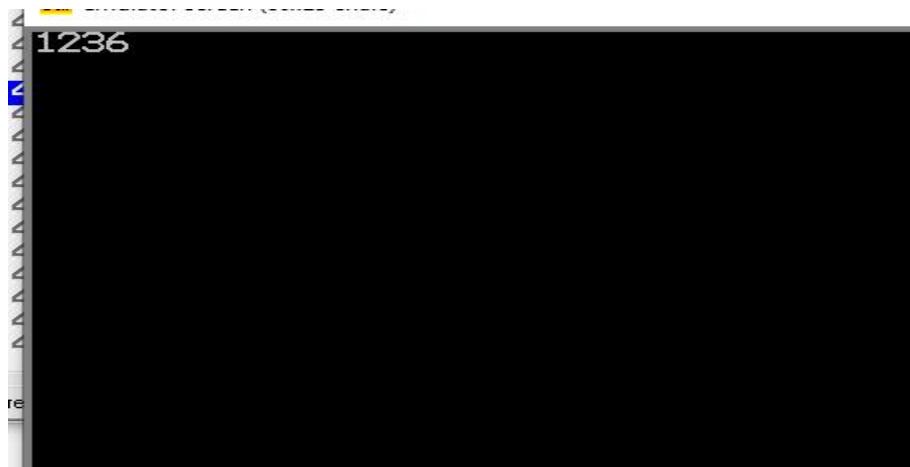
```
.model small
.stack 100h
.data
.code
main proc
    mov ah, 1
    int 21h
    sub al, 48
    mov bl, al

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

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

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

    mov ah, 4ch
    int 21h
main endp
end main
```



```
□ new open examples save compile emu
01 .model small
02 .stack 100h
03 .code
04 main:
05 ;
06     mov ah, 1
07     int 21h
08     sub al, 30h
09     mov bl, al
10
11
12     mov ah, 1
13     int 21h
14     sub al, 30h
15     mov bh, al
16
17
18     mov ah, 1
19     int 21h
20     sub al, 30h
21     mov cl, al
22
23
24     mov al, bl
25     sub al, bh
26     add al, cl
27     sub al, 1
28     add al, 30h
29     mov dl, al
30     mov ah, 2
31     int 21h
32
33
34     mov ah, 4ch
35     int 21h
36 end main
```

 Emulator screen (0x0x0000)

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