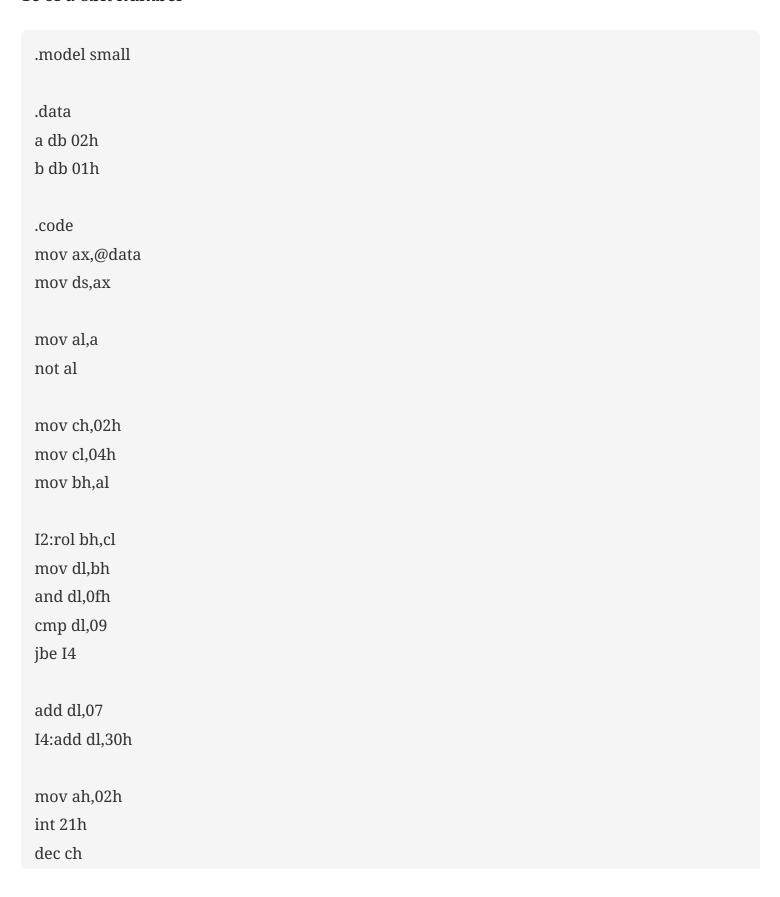
fmp 25/07/2024

1c of a 8bit number

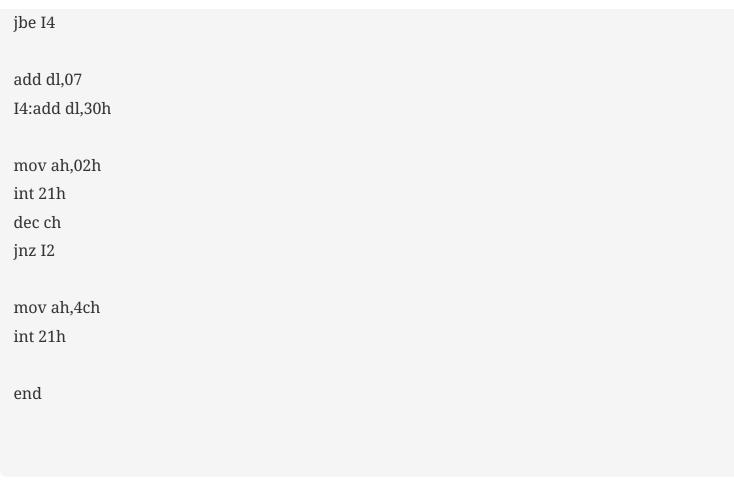


```
jnz I2
mov ah,4ch
int 21h
end
```

output: fd

2c of a 8bit number

```
.model small
.data
a db 02h
b db 01h
.code
mov ax,@data
mov ds,ax
mov al,a
mov bl,b
not al; you can also use neg al
add al,bl ;if you follow above
mov ch,02h
mov cl,04h
mov bh,al
I2:rol bh,cl
mov dl,bh
and dl,0fh
cmp dl,09
```



output: fe

1c of 16bit number

```
.model small

.data
a dw 0002h
b dw 0001h

.code
mov ax,@data
mov ds,ax

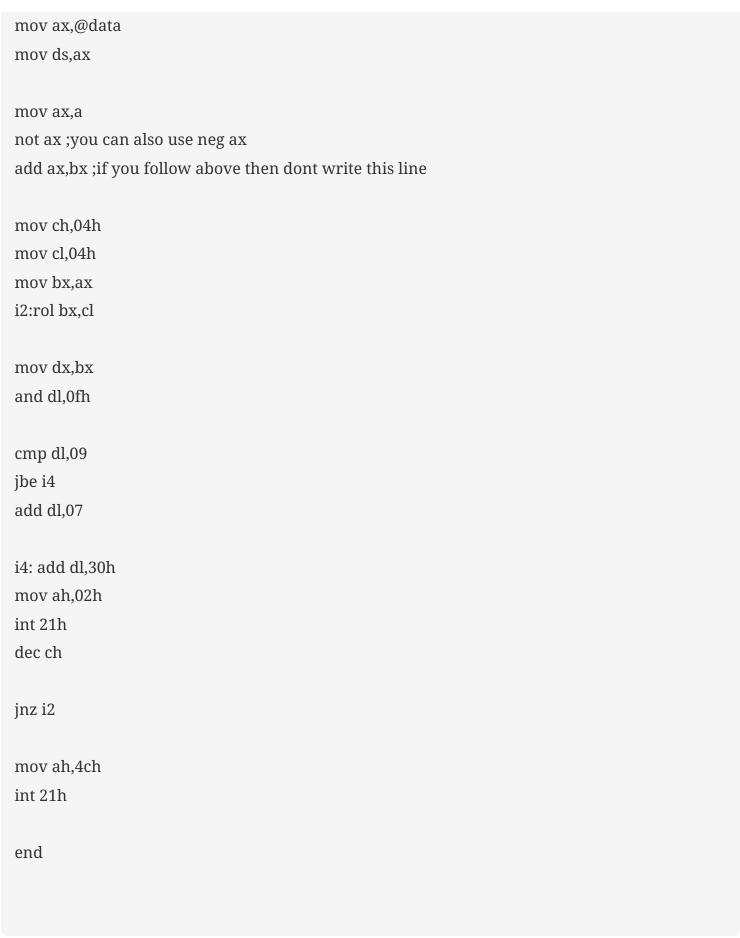
mov ax,a
not ax
```

mov cl,04h mov bx,ax i2:rol bx,cl mov dx,bx and dl,0fh cmp dl,09 jbe i4 add dl,07 i4: add dl,30h mov ah,02h int 21h dec ch jnz i2 mov ah,4ch int 21h end

output: fffd

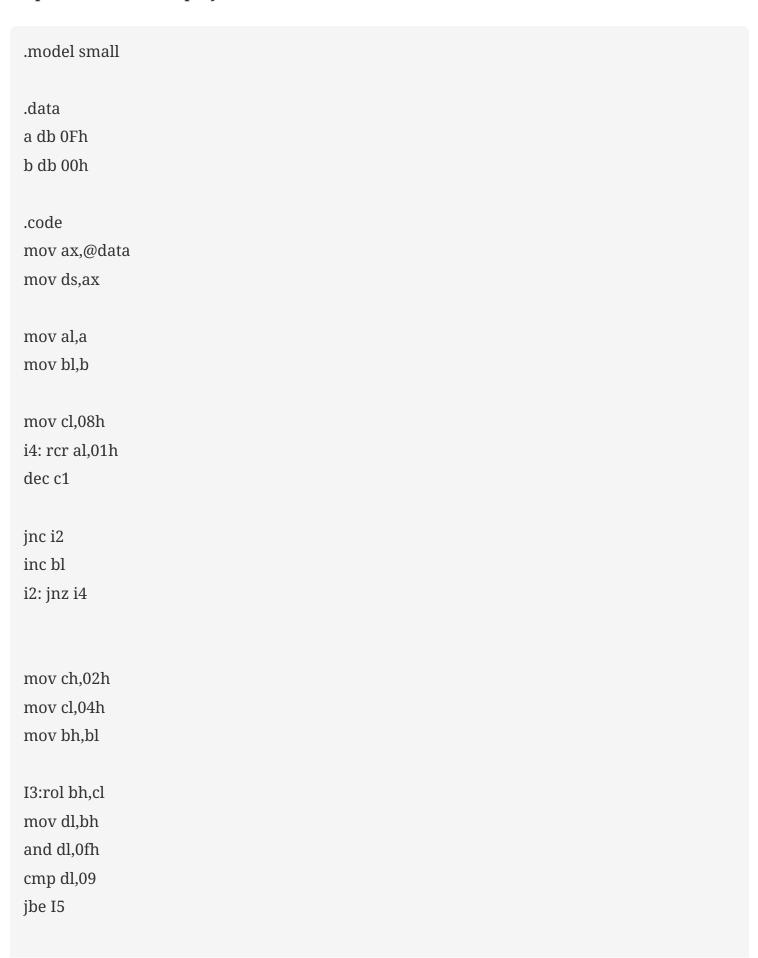
2c of 16 bit number

.model small .data a dw 0002h b dw 0001h .code



output: fffe

wap to count and display no. of 1 in 8bit (This needs to be corrected)



add dl,07
I5:add dl,30h

mov ah,02h
int 21h
dec ch
jnz I3

mov ah,4ch
int 21h

output:

end

04

wap to count and display no. of 1 in 16bit wap to count and display no. of 0 in 8bit wap to count and display no. of 0 in 16bit