

Convert into x86

```
.model small  
display macro msg  
    lea dx, msg  
    mov ah, 09h  
    int 21h  
endm
```

```
.data
```

```
msg1 db 0dh, 0ah, "enter the character &"  
res db 02 dup(0)
```

```
.code
```

```
mov ax, @data
```

```
mov ds, ax
```

```
xor ax, ax
```

```
display msg1
```

```
mov ah, 01h
```

```
int 21h
```

```
mov bl, al
```

```
mov cl, 04h
```

```
shr al, cl
```

```
and al, 0fh
```

```
cmp al, 07h
```

```
digit: add al, 30h
```

```
mov res, al
```

```
and bl, 0fh
```

Date : .....

```
cmp bl, 0ah
jc digit 1
add bl, 07h
digit 1 : add bl, 30h
mov rsi + 1, bl
```

```
mov ah, 00h
mov al, 03h
int 10h
```

```
mov ah, 02h
mov bh, 00h
mov dl, 28h
int 10h
```

```
mov rsi + 2, byte ptr '9'
display rsi
mov ah ah, 4ch
int 21h
end
```



DOSBox 0.74-3, Cpu speed: 3000 cycles, Fram...



C:\MASM>\_

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