

.model small

display macro msg

```
    lea dx, msg
    mov ah, 09h
    int 21h
```

endm

.data

timestr db 0a0h dup(?)

msg1 db "Current time :::"

.code

```
start: mov ax, @data
       mov ds, ax
```

; clear the screen

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

; set a particular location . for dynamic clock.

```
A9:  mov bh, 00h
     mov dh, 01h
     mov dl, 01h
     mov ah, 02h
     int 10h
```

```
    lea si, timestr
    mov ah, 2ch
    int 21h
    mov al, 04h
    aam
    add ax, 3030h
    mov [si], ah
    inc si
    mov [si], al
    inc si
```

```
mov [si], byte ptr ':'  
inc si
```

```
mov al, 0  
aam  
add ax, 3030h  
mov [si], ah  
inc si  
mov [si], al  
inc si  
mov [si], byte ptr ':'  
inc si
```

```
mov al, ah  
aam  
add ax, 3030h  
mov [si], ah  
inc si  
mov [si], al  
inc si  
mov [si], byte ptr '{'  
display msg1  
display timer
```

```
mov ah, 0bh  
int 21h  
cmp al, 0bh  
je ag
```

```
final : mov ah, 4ch  
int 21h
```

```
end start
```