

File Edit Search View Options Help

C:\MASM\CURSOR.ASM

```
.model small
disp macro msg
lea dx, msg
mov ah, 09h
int 21h
endm
                                ;dh 12 mov ah,01h  0102
.data                          ;d1 23 int 21h      aad-0012
row db 02 dup(0)
col db 02 dup(0)
msg1 db 0dh, 0ah, "enter x-co-ordinate: $"
msg2 db 0dh, 0ah, "enter y-co-ordinate: $"
msg3 db 0dh, 0ah, "cursor displayed at the correct coordinates $"
.code
    mov ax,@data
    mov ds,ax
    disp msg1
    mov si,offset row
    call read
    disp msg2
    mov si, offset col
    call read
    mov si, offset row
```

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```
mov si,offset row
call read
disp msg2
mov si, offset col
call read
mov si, offset row
mov ah,[si]
inc si
mov al, [si]
sub ax,3030h
aad
mov ah,al ;row
mov si, offset col
mov ah, [si]
inc si
mov al, [si]
sub ax,3030h
aad
mov dl,al ;col

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



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```
int 10h
mov ah,02h
int 10h

jmp final

read proc near
mov cx,02h
back:mov ah,01h
      int 21h
      mov [sil, al
      inc si
      dec cx
jnz back
ret
read endp
final:mov ah,01h
      int 21h
      mov ah,4ch
      int 21h
      end
```

2 Severe Errors

C:\MASM>edit cursor.asm

C:\MASM>masm cursor;;

Microsoft (R) Macro Assembler Version 5.00

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51658 + 464886 Bytes symbol space free

0 Warning Errors

0 Severe Errors

C:\MASM>link cursor;;

Microsoft (R) Overlay Linker Version 3.60

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LINK : warning L4021: no stack segment

C:\MASM>cursor

enter x-co-ordinate: 10

enter y-co-ordinate: 5

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