

Lab 8

Lab 8 - cursor.asm

Enter x & y coordinate from user

• model small

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

endm

• data

2 number in 2 locations

```
row db 02 dup(0)  
col db 02 dup(0)  
msg1 db 0dh, 0ah, "Enter X-coordinate: $"  
msg2 db 0dh, 0ah, "Enter Y-coordinate: $"  
msg3 db 0dh.
```

• Code

```
mov ax, @data  
mov ds, ax  
disp msg1  
mov si, offset row  
call read  
disp msg2  
mov si, offset column  
call read  
mov si, offset row
```

mov ah, [si]

inc si

mov al, [si]

sub ax, 3030h

AAD

mov dl, al ; row

mov si, offset col

mov ah, [si]

inc si

mov al, [si]

sub ax, 3030h

AAD

mov dl, al

mov ah, 00

mov al, 03h

int 10h

mov ah, 02h

int 10h

jmp final

read proc near

mov ~~cx~~ cx, 02h

back: mov ah, 01h

int 21h

mov [si], al

inc si

dec cx

jnz back

Date _____
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get

read endp

final: mov ah, 01h

int 21h

mov ah, ~~04h~~ 4ch

int 21h

end

; Ends program