

18/11/20 Lab 9, Sudeshna Bhusham, 1BM19CS189

Q. Read x and y coordinates and display cursor at that position on the screen

• model small

disp macro msg

lea dx, msg

mov ah, 09h

int 21h

endm

• data

row db 02 dup(0)

col db 0a dup(0)

msg1 db 0dh, 0ah, "Enter x-co-ordinate :::"

msg2 db 0dh, 0ah, "Enter y-co-ordinate :::"

• 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

mov ah, [si]

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inc si
mov al, [si]
sub ax, 3030h
aad
mov dh, al
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, 02h
back: mov ah, 01h
    int 21h
    mov [si], al
    inc si
    dec cx
    jnz back
ret
read endp

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```
final: mov ah, 01h
       int 21h
       mov ah, 4ch
       int 21h

end
```

— X — X — X —