

: Read x and y coordinates and display current  
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 02 dup(0)

msg 1 db 0dh, 0ah, "enter x-co-ordinate: ; \$"

msg 2 db 0dh, 0ah, "enter y-co-ordinate: ; \$"

• code

mov ax, @data

mov ds, ax

disp msg 1

mov si, offset row

call read

disp msg 2

mov si, offset row

~~mov si,~~

call read

mov si, offset row

mov ah, [si]

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

final: mov ah, 01h

int 21h

mov ah, 4ch

int 21h

end.