

LAB PROGRAM - 9

; 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 02 dup(0)

msg1 db 0dh, 0ah, "enter x-co-ordinates
:: \$"

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 ~~row~~ col

call read

~~disp msg1~~

~~mov si, offset col~~

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
```