

MP-lab-7

. model small

disp macro msg

lea dx, msg

mov ah, 09h

int 21h

endm ; dh 12 mov ah, 01h 0102

.data ; dl 23 int 21h aad-0012

row db 02 dup(0)

col db 02 dup(0)

msg1 db 0dh, 0ah, "enter x coordinate: \$"

msg2 db 0dh, 0ah, "enter y coordinates: \$"

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

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
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
```