

```
.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-ORDINATED : $"
MSG2 DB 0DH,0AH," ENTER Y CO-ORDINATED : $"
MSG3 DB 0DH,0AH," CURSOR DISPLAYED AT THE CORRECT CO-ORDINATES: $"
.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 DH,AL ;ROW
MOV SI,OFFSET COL
MOV AH,[SI]
```



```
MOV AH,[SI]
INC SI
MOV AL,[SI]
SUB AX,3030H
AAD
MOV DH,AL ;COL
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
DISP MSG3
JMP FINAL
```

```
READ PROC NEAR
MOV CX,02H
BACK:MOV AH,01H
INT 21H
MOV [SI],AL
INC SI
DEC CX
```

```
SUB AX,3030H  
AAD  
MOV DL,AL
```

```
MOV AH,00  
MOV AL,03H  
INT 10H  
MOV AH,02H  
INT 10H  
DISP MSG3  
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
```

Program for cursor to point at given location.

model small

disp macro msg

Lea px, msg

mov ah, 09h

int 21h

endm

data

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, 0ah, "Cursor is pointing correctly \$"

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 dh, 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 → disp msg 3
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, 4eh
int 21h
end

```

```

mov SI, offset col
mov ah, [SI]
inc SI
mov al, [SI]
sub ax, 3030H
AAD
MOV DL, AL.

```



ANSBox v1.1.1 (c) speed 1000 cycles, Frameskip: 0 Progra

CURSOR DISPLAYED AT THE CORRECT CO-ORDINATES: \_