LAB PROG: 09 (CURSOR)

```
. MODEL small

DISP  macro  msg
        Lea  dx, msg
        mov ax, 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-Cordinate: $"
  msg3 db  0dh, 0ah, "Cursor displayed at
                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
      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
```