

- 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 : $"
MSG&3 DB 0DH, 0AH, "CURSOR DISPLAYED AT THE CORRECT CO-ORDINATE. $"
```

- CODE

```
MOV AX, @DATA
MOV DS, AX
DISP MSG&1
MOV SI, OFFSET ROW
CALL READ
DISP MSG&2
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 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
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
```