Lab experiment 6 : Cursor co-ordinate

- MODEL SMALL

```
DISPLAY 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: $"
MSG3 DB 0DH, 0AH," CURSOR DISPLAYED AT THE CORRECT
                CO-ORDINATES $"
```

- CODE

```
 MOV AX, @DATA
 MOV   DS, AX
 DISPLAY  MSG1
 MOV SI, OFFSET ROW
 CALL REAR
 DISPLAY 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  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
```