

Lab Program - 9

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USN: IBM19CS17H

Read x and y coordinates
and display cursor at that
position on the screen.

• MOREL 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-coordinate :: \$"

MSG2 DB 0DH, 0AH, "Enter Y-coordinate :: \$"

• 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

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```
AAP
MOV PH, AL
MOV SI, OFFSET COL
MOV AH, [SI]
INC SI
MOV AL, [SI]
SUB AX, 3030H.
AAP
MOV DL, AL
MOV AH, 00H
MOV AL, 03H
INT 10H
MOV AH, 02H
INT 10H
JMP FINAL
```

```
READ PROC NEAR
    MOV CX, D2H.
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 END.
```