



# X-Y COORDINATE CURSOR

• Model SMALL  
DISP MACRO MSG1  
LEA DX, MSG1  
MOV AH, 09H  
INT 21H  
END M

## • DATA

ROW DB 02 DUP(0)  
COL DB 02 DUP(0)  
MSG1 DB 0DH, 0AH, "Enter X - COORDINATE"  
MSG2 DB 0AH, 0DH, "Enter Y - COORDINATE"  
MSG3 DB 0DH, 0AH, "Cursor displayed at"

## • 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

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MOV DH, AL
MOV SI, OFFSET COL
MOV AH, EBX
INC SI
MOV AL, [SI]
SUB AX, 8080H
AAD -
MOV DL, AL
MOV AH, 00H
MOV AL, 03H
INT 10H
MOV AH, 02H
INT 10H
JMP FINAL
LEAD PROC NEAR
MOV CX, 02H
BACK: MOV AH, 01H
INT 21H
MOV [SI], AL
INC SI
DEC CX
JNZ BACK
RET
READ ENP

FINAL: MOV AH, 01H
INT 21H
MOV AH, 4CH
INT 21H
END
```