

## LAB-9

## .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)

MSG1 DB 0DH, 0AH, "Enter x-coordinate : \$"

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

MSG3 DB 0DH, 0AH, "Cursor displayed at the  
correct coordinates \$"

## .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 COL

CALL READ

MOV SI, OFFSET ROW

MOV AH, [SI]

SUB AX, 3030H

AAD

MOV DH, AL ;

MOV SI, OFFSET COL

MOV AH, [SI]  
INC SI  
MOV AL, [SI]  
SUB AX, [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 END P  
FINAL: MOV AH, 01H  
INT 21H  
MOV AH, 4CH  
INT 21H  
END.