

8/11/2020

LAB PROGRAM - 9

• ~~MODEL SMALL~~

Q. READ X, Y COORDINATES & DISPLAY CURSOR ON THE SCREEN

A. • 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 THE X-CO-ORDINATE :: \$"

MSG2 DB 0DH, 0AH, "ENTER THE Y-CO-ORDINATE :: \$"

• CODE

MOV AX, @DATA

MOV DI, 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]

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SUB AX, 3030H

AAD

MOV DH, AL

MOV SI, OFFSET CQ

MOV AH, [SI]

INC SI

MOV AL, [SI]

SUB AX, 3030H

AAD

MOV DL, AL

; CLEAR SCREEN

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, 07H

INT 21H

MOV AH, 4CH

INT 21H

END