

(12)

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USN : 1BM19CS139

Section : 3C

Batch : 2

papergrid

Date: 20/11/20

CO-ORDINATES IN BCD

.MODEL SMALL

DISP MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

; dh 1209 mov ah, 01h 0102

; dl 23 int 21h AAD=0012

ENDM

.DATA

ROW DB 02 DUP(0)

COL DB 02 DUP(0)

MSG1 DB 0DH, 0AH, "ENTER X-CO-ORDINATE : \$"

MSG2 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

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

MOV DH, AL ; row

(13)

papergrid

Date: / /

MOV SI, OFFSET COL

MOV AH, [SI]

INC SI

MOV AL, [SI]

SUB AX, 3030H

AAD

MOV DL, AL ; col

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