

COORDINATES IN BCD

.MODEL SMALL

DISPLAY MACRO MSG

LEA DX, MSG

MOV AH, 09H ; dh 12 mov ah, 01h 0102

INT 21H ; 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  
COORDINATES \$"

.CODE

MOV AX, @DATA

MOV DS, AX ; AX

DISP MSG1 ; ROW=3132 AX=0102

MOV SI, OFFSET ROW ; COL=3233 aad=0012

CALL READ

DISP MSG2 ; 0023

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

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