

Shruti Dask

1BM19CS133

classmate
Date _____
Page _____
CURSOR

```
• MODEL SMALL  
  DISP MACRO MSG  
    LEA DX, MSG  
    MOV AX, 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 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 ROW  
  MOV AH, [SI]  
  INC SI  
  MOV AL, [SI]  
  SUB AX, 3030H  
  AAD  
  MOV DH, AL  
  MOV SI, OFFSET COL  
  MOV AH, [SI]  
  INC SI
```

MOV AL, [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 ENDP

FINAL: MOV AH, 01H

INT 21H

MOV AH, 4CH

INT 21H

END