**Problem statement:** Input 3 uppercase letters and print them in lowercase letters.

**Code:**

;OUTPUT LOWERCASE 2ND

MOV AH,2

MOV DL,BH

INT 21H

;GOTO NEW LINE

MOV AH,2

MOV DL,0DH

INT 21H

MOV DL,0AH

INT 21H

;OUTPUT LOWERCASE 3RD

MOV AH,2

MOV DL,CL

INT 21H

;RETURN TO

MOV AH,4CH

INT 21H

MAIN ENDP

END MAIN

;INPUT 3RD CHARACTER

MOV AH,1

INT 21H

MOV CL,AL

ADD CL,32

;GOTO NEW LINE

MOV AH,2

MOV DL,0DH

INT 21H

MOV DL,0AH

INT 21H

;-----------------

;OUTPUT LOWERCASE 1ST

MOV AH,2

MOV DL,BL

INT 21H

;GOTO NEW LINE

MOV AH,2

MOV DL,0DH

INT 21H

MOV DL,0AH

INT 21H

.MODEL SMALL

.STACK 100H

.DATA

MSG1 DW "ENTER 3 INITIALS:$"

.CODE

MAIN PROC

MOV AX,@DATA

MOV DS,AX

LEA DX,MSG1

MOV AH,9

INT 21H

;INPUT 1ST CHARACTER

MOV AH,1

INT 21H

MOV BL,AL

ADD BL,32

;INPUT 2ND CHARACTER

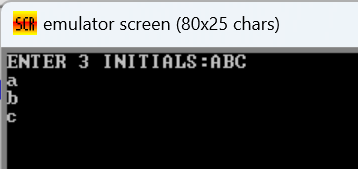
MOV AH,1

INT 21H

MOV BH,AL

ADD BH,32

**Output:**



**Problem statement:** Input Hexadecimal (A-F) and print their decimal value.

**Code:**

.MODEL SMALL

.STACK 100H

.DATA

A DB "ENTER A HEX DIGIT: $"

MSG DB 10,13,"1$"

.CODE

MAIN PROC

MOV AX,@DATA

MOV DS,AX

LEA DX,A

MOV AH,9

INT 21H

;INPUT A CHARACTER

MOV AH,1

INT 21H

MOV BL,AL

SUB BL,17

;PRINT 1

MOV AH,9

LEA DX,MSG

INT 21H

MOV AH,2

MOV Dl,BL

INT 21H

;RETURN TO

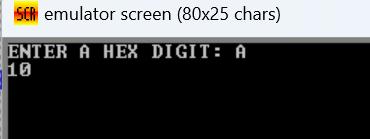
MOV AH,4CH

INT 21H

MAIN ENDP

END MAIN

**Output:**

****