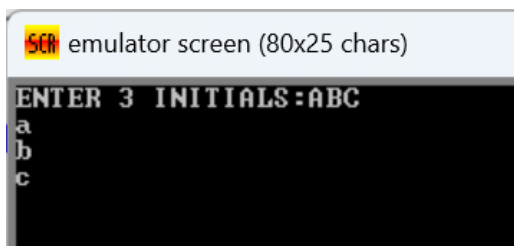


Problem statement: Input 3 uppercase letters and print them in lowercase letters.

Code:

.MODEL SMALL	;INPUT 3RD CHARACTER	;OUTPUT LOWERCASE 2ND
.STACK 100H	MOV AH,1	MOV AH,2
.DATA	INT 21H	MOV DL,BH
MSG1 DW "ENTER 3	MOV CL,AL	INT 21H
INITIALS:\$"	ADD CL,32	;GOTO NEW LINE
.CODE	;GOTO NEW LINE	MOV AH,2
MAIN PROC	MOV AH,2	MOV DL,0DH
MOV AX,@DATA	MOV DL,0DH	INT 21H
MOV DS,AX	INT 21H	MOV DL,0AH
LEA DX,MSG1	MOV DL,0AH	INT 21H
MOV AH,9	INT 21H	;OUTPUT LOWERCASE 3RD
INT 21H	;-----	MOV AH,2
;INPUT 1ST CHARACTER	;OUTPUT LOWERCASE 1ST	MOV DL,CL
MOV AH,1	MOV AH,2	INT 21H
INT 21H	MOV DL,BL	
MOV BL,AL	INT 21H	;RETURN TO
ADD BL,32	;GOTO NEW LINE	MOV AH,4CH
;INPUT 2ND CHARACTER	MOV AH,2	INT 21H
MOV AH,1	MOV DL,0DH	
INT 21H	INT 21H	MAIN ENDP
MOV BH,AL	MOV DL,0AH	END MAIN
ADD BH,32	INT 21H	

Output:



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

Code:

```
.MODEL SMALL                                SUB BL,17
.STACK 100H
.DATA                                       ;PRINT 1
    A DB "ENTER A HEX
    DIGIT: $"                               MOV AH,9
    MSG DB 10,13,"1$"                     LEA DX,MSG
                                           INT 21H
.CODE
MAIN PROC
                                           MOV AH,2
                                           MOV DI,BL
                                           INT 21H

                                           ;RETURN TO
                                           MOV AH,4CH
                                           INT 21H

                                           MAIN ENDP
;INPUT A CHARACTER
END MAIN
MOV AH,1
INT 21H
MOV BL,AL
```

Output:

