

;Write a program to read the string and convert it into upper case if it is in lower case and display the resulting string. Process the string in the memory before displaying

TITLE TO UPCASE

.MODEL SMALL

.DATA

STRLEN DB 20

STRSZ DB 00

STR DB 20 DUP(' ')

STRTRM DB '\$'

.STACK

.CODE

MAIN PROC FAR

MOV AX, @DATA

MOV DS, AX

;; READING STRING

LEA DX, STRLEN

MOV AH, 0AH

INT 21H

;; CHANGING TO UPCASE

MOV CX, 00H

MOV CL, STRLEN

LEA BX, STR

L1: MOV AL, [BX]

;; CHECKING IF LCASE

CMP AL, 'a'

JL EX

CMP AL, 'z'

JG EX

AND AL, 11011111B

MOV [BX], AL

**EX: INC BX
LOOP L1**

**:: NEW LINE CHARACTER
MOV DL, 0DH
MOV AH, 02H
INT 21H
MOV DL, 0AH
MOV AH, 02H
INT 21H**

**:: WRITING STRING
LEA DX, STR
MOV AH, 09H
INT 21H**

**:: ENDING PROGRAM
MOV AX, 4C00H
INT 21H**

**MAIN ENDP
END MAIN**