**;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**