TITLE .A07CASE (EXE) Change uppercase to lowercase

.MODEL SMALL

.STACK 64

.DATA

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

CONAME DB 'LASER-12 SYSTEMS', '$'

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

.cODE

A10MAIN PROC NEAR

MOV AX, @data

MOV DS, AX ; Set DS to @data

LEA BX, CONAME ; BX : To get address of string's 1st character

MOV CX, 16 ; CX : length of string, for LOOP

A20:

MOV AH, [BX] ; copy 1byte from character to AH

CMP AH, 41H ; If AH character is lower then 'A'

JB A30 ; then pass

CMP AH, 5AH ; else if character is upper than 'Z'

JA A30 ; then pass

XOR AH, 00100000B ; or, upper -> lower

MOV [BX], AH ; store that AH 1 byte to CONAME

A30:

INC BX ; To change next character

LOOP A20 ; 16 times

MOV AH, 09H ; 21-09 string printing function

LEA DX, CONAME ; target is on DX, Coname.

INT 21H

MOV AX, 4C00H ; 21-4C, end of program.

INT 21H

A10MAIN ENDP

END A10MAIN