**32-bit**

.MODEL SMALL

.STACK 100h

.DATA

CR EQU 0DH

LF EQU 0AH

MSG1 DB “ENTER A UPPER CASE LETTER: $”

MSG2 DB CR, LF, “IN LOWER CASE IT IS: “

CHAR DB ? , ‘$’

.CODE

MAIN PROC

MOV AX, @DATA

MOV DS, AX

LEA DX, MSG1

MOV AH, 9

INT 21H

MOV AH, 1

INT 21H

ADD AL, 20H

MOV CHAR, AL

LEA DX, MSG2

MOV AH, 9

INT 21H

MOV AH, 4CH

INT 21H

MAIN ENDP

END MAIN

64-bit