SSN College of Engineering Department of Computer Science and Engineering III year - UCS1512 – Microprocessors Lab

Academic Year: 2022 -2023 Batch: 2020-2024

Semester: V

Experiment No. 8: Case conversion

Input: letters through keyboard

Output: case converted letters on the fly

Hint:

Use dos interrupt 21H with AH=01 to read the letters with echo Use AH=2 to display the letters to standard output device

Program

ASSUME CS:CODE,DS:data data SEGMENT COUNT equ 10h data ends **CODE SEGMENT START:MOV AX,data MOV DS,AX MOV CX, COUNT ; LOOP COUNTER** L1:MOV AH,1; INPUT CHARACTER, INT 21H; AL = CHARACTER, ASCII(hex): A-Z=41-5A, a-z=61-7A CMP AL,60H **JNC UPPER** ADD AL,20H **JMP SKIP UPPER:SUB AL,20H; CONVERT TO UPPER CASE** SKIP:MOV AH,2; CHARACTER OUTPUT FUNCTION MOV DL,AL; CHARACTER MUST BE IN DL **INT 21H; DISPLAY THE CHARACTER LOOP L1; REPEAT LOOP MOV Ah,4CH** INT 21H **CODE ENDS** end start