EXP : 9

Name : Rishabh Sarswa Rollno : 19UELE8030

Experiment: 9

Write a program to complement status flags on 8085 microProcessor Aim :

Software Use : GNUSim8085

Program :

----- program in asm -----

MVI A, 35H ;Load a test value

LXI SP, 1008H ;Intialise the stack pointer(SP)

PUSH PSW ;Copy the content of accumulator and flag on the stack

;Retrieve register pair (BC) from stack ;Move the content from register C to A POP B MOV A,C

;Complement the accumulator CMAMOV C,A ;Store accumulator to C register

PUSH B

;Copy the content of BC register pair to stack ;Retrieve the content of accumulator and flag from stack POP PSW

HLT ;Stop the execution

----- end program -----

