**EXPERIMENT 8**

**9753**

**Aditya Gurav**

I/O Port Programming

SETB P2.0 ; making P2.0 pin as input switch

ON: JB P2.0,OFF ; if button is pushed then go ahead otherwise move to 'OFF'

MOV P1,#0FH ; then turn on LEDs in 00001111(0F in hex) format

SJMP ON ; short jump to 'ON'

OFF: MOV P1,#0F0H ;if button is not pushed then turn on LEDs in 11110000(F0 in hex) format

SJMP ON ; short jump to 'ON'

END



