

Write C programs using Keil IDE and simulate the output using Proteus Circuit Simulator.

Lab Assignment

1. Write a program to generate 50Hz square wave on P1⁰ pin of 8051 based microcontroller. Use timer in polling mode to generate delay.
2. Design a BCD counter which increments every one-second starting from 00 up to 99. When it reaches 99 it should stop. Use timer in polling mode to generate one-second delay.
3. Measure the frequency of the IC 555 oscillator and display it on the 16x2 LCD. (counter mode of operation).