

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

Lab Assignment

1. Write a program to generate 1S delay function using Timer Interrupt method. Use that function in digital clock for to increment seconds count. Compare the performance of polling method and interrupt method for digital clock and comment.
2. Create an application to show functioning of external interrupt0 (/INT0).
3. Write a program to transfer your name on serial port by interrupt method.
4. Consider you are using two or more than two interrupts; you are assigning high priority to external interrupt_1 than timer_0 interrupt. Create an application and show the importance of change in priority of the interrupts.