

ASSIGNMENT 3

1. Blink the yellow LED and the red LED simultaneously, keeping them ON for 100 ms and OFF for 500 ms.
2. Create a pattern where Yellow LED blinks for 3 times and OFF wait for 100ms then Red LED blinks for 3 times and OFF then repeat. (Yellow Blink 3 times then OFF → wait for 100 ms → Red LED Blink 3 times then OFF).
3. Make a LED pattern where both the LEDs will be toggling alternatively with delay of 0.75 Seconds. (Yellow LED ON, RED LED OFF → wait for 0.75seconds → Yellow LED ON, RED LED OFF)
4. Write a code where if BUTTON 1 is pressed both LEDs are on and when BUTTON 2 is pressed both LEDs are OFF (Polling Method).
5. Write the code for above question using Interrupt.

Note: Make configurations in .ioc file such that the LEDs should be in OFF state by default

Guidelines for submission of Assignments for microcontroller related programming

- .ioc file, main.c file should be submitted with the file name as Q1.ioc, Q1main.c