

Program 2: Demonstration of Push Button and Led

Exercise:

1. Blink of External LED
2. Blink of RGB LED
3. PushButton + LED
 - When button is pressed the LED must glow, When button is not pressed the LED must remain LOW.
4. PushButton + LED (Without Debouncing)
 - When button is pressed 1st time the LED must glow, when the button is pressed the second time LED must remain in LOW state. (Repeat it infinite times)
5. PushButton + LED (With Debouncing)
 - When button is pressed 1st time the LED must glow, when the button is pressed the second time LED must remain in LOW state. (Repeat it infinite times)
6. PushButton + RGB LED (With Debouncing)
 - When button is pressed the for the first time RED must glow, When button is pressed for the 2nd time BLUE must glow, When the button is pressed for the 3rd time GREEN must glow. (Repeat it infinite times)