**Readme file for the second lab assignment : Blinky Assignment and Macros**

The following functionalities have been implemented in the code:

1. With each SW1 press, the LED will blink in the colour cycle : Green, Blue, Cyan, Red, Yellow, Magenta, White.
2. The lowest blink rate is **once in two seconds**.
3. With each SW2 press, blink rate is doubled . The max blink rate is **16 times in a second.**
4. If SW2 is pressed once the max blink rate is reached, the blink rate once again shifts back to the lowest blink speed of once in two seconds.
5. The function **delayMs()** has been used to specify the ON time and OFF time for each blink rate
6. **ELIMINATING KEY DEBOUNCING ISSUE USING SOFTWARE SOLUTION.**
7. The key debouncing issue has been eliminated using **while loop (software solution).**
8. Once a switch (SW1 and SW2) is pressed , we enter a while loop. Within the while loop, we monitor the status of the switch (SW1 and SW2) continuously. We come out of that while loop only when the corresponding switch is released. Once the switch is released, we take the necessary action (changing colour or changing the blink speed) and then come out of the while loop. This has eliminated key debouncing issue.