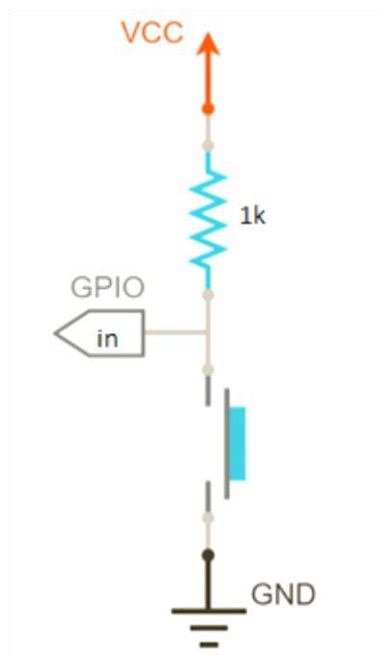# CSE2037 Lab - 6, Section A

Pins: PA11,12 and PB12 can be used as outputs for green, yellow and red LEDs.

Pins: PB13, 14, 15 can be used as inputs for three push buttons.

Task:
   a. Initially all three LEDs are off.
   b. After button 1 is pressed 3 times, green LED will toggle after 400 ms.
   c. After button 2 is pressed 2 times, yellow LED will toggle after 700 ms.
   d. After button 3 is pressed 1 times, red LED will toggle after 500 ms.
   e. This procedure goes indefinitely.
   f. Switch bouncing should be avoided.

Note: We provide the document early. Hence, the students can solve the problem before the lab. This does not mean that they can cheat. Therefore, the student understands that "honor system is observed" while preparing the lab solutions. He or she will sign the returned lab sheet by writing the below phrase.

"Honor system is observed while preparing this solution. I did not get help from anybody beside my lab partner. I did not help anybody beside my lab partner. I did not allow anybody to violate the honor system."
      Date / Signature of the Student