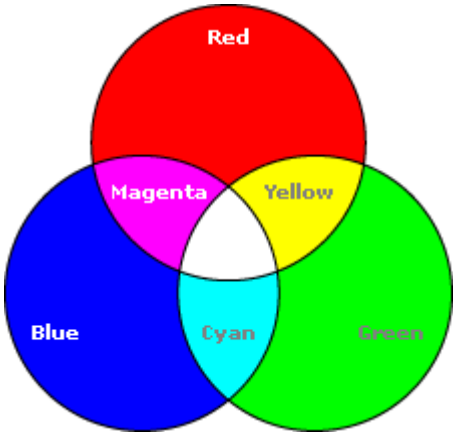
EE 315 Lab Assignment for Week 12

Important Note: The problem below is to be solved individually by each student.

FOR THIS ASSIGNMENT, YOU SHOULD VALIDATE YOUR CODE USING THE HARDWARE

- Download the project folder
- The project assembly code is “EE315Week12Assignment.s”. Go to the Line 53
- Write the necessary codes.

- These Program should do the followings:



1. If we push Switch1 one time, Red color should flash (turn on and off) with a delay forever.
2. If we push Switch1 two times, Red color should flash (turn on and off) two times faster forever.

3. If we push Switch2 one time, first Red, then Green then Blue colors should flash (turn on and off) with a delay forever.
4. If we push Switch2 two times, first Yellow, then Magenta, Then Cyan colors should flash (turn on and off) with a delay forever.

   - After each different switch usage, you can assume, the previous switch was not pressed before.
   - **For each push, you should wait for a while for the next switch check! It is called “debouncing”. If you don’t do this, the hardware will think that, the switch was pressed many times!!! (See 2018/2019 Autumn Lab. Assignments-Week12)**
   - We should see each flash with our naked eye. So, choose a delay accordingly.
   - Please try not to copy/paste your code for each operation. It is a “bad engineering” and the code will be “ugly”. Try to use loops for your operation transitions.