ESET 269 Lab 6 – Digital Output

The lab will **not** use the Lab Template. A new MSP432 project must be setup in Keil.

Code 1: A red LED is located on port 1 pin 0. A red, green, blue (RGB) LED is connected to port 2 on the Launchpad. The color of the LED can be changed by writing a HIGH or LOW to each LED (red, green, blue). The possible combinations are 000 (OFF) to 111 (WHITE).

Write a program that will cycle through the different color combinations of the RGB LED. The program will cycle through the RGB color combinations twice. After the second cycle through the RGB colors, the red LED on port 1 pin 0, and the blue LED will alternate flashing ON/OFF.

Note: The delay should be long enough to notice a visible change in the LED colors, but should not be exceedingly long i.e. > 3 seconds.