**9/24/2018:**

**Task 00: Execute provided code**

**------------------------------------------------------------------------------------**

**Task 01:**

Youtube Link: https://www.youtube.com/watch?v=gT0G-OxPidQ&feature=youtu.be

**Modified Code:**

**#include <stdint.h>**

**#include <stdbool.h>**

**#include "inc/hw\_types.h"**

**#include "inc/hw\_memmap.h"**

**#include "driverlib/sysctl.h"**

**#include "driverlib/gpio.h"**

**int main(void)**

**{**

**uint8\_t ui8LED = 2;**

**// Set up the clock**

**SysCtlClockSet(SYSCTL\_SYSDIV\_4|SYSCTL\_USE\_PLL|SYSCTL\_XTAL\_16MHZ|SYSCTL\_OSC\_MAIN);**

**// Enable Port F**

**SysCtlPeripheralEnable(SYSCTL\_PERIPH\_GPIOF);**

**// Set LED pins to OUTPUT**

**GPIOPinTypeGPIOOutput(GPIO\_PORTF\_BASE, GPIO\_PIN\_1|GPIO\_PIN\_2|GPIO\_PIN\_3);**

**while(1)**

**{**

**// Turn on the LED**

**GPIOPinWrite(GPIO\_PORTF\_BASE, GPIO\_PIN\_1|GPIO\_PIN\_2|GPIO\_PIN\_3, ui8LED);**

**// Delay for a bit**

**SysCtlDelay(2000000);**

**// Cycle through Red, Green and Blue LEDs**

**if (ui8LED == 8) {ui8LED = 2;} else {ui8LED = ui8LED\*2;}**

**}**

**}**