**10/2/2018:**

**Task 00: Execute provided code**

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**Task 01:**

Youtube Link: https://www.youtube.com/watch?v=v2T1oIbe0\_0

**Modified Code:**

**// Turn on LEDs**

GPIOPinWrite(GPIO\_PORTF\_BASE, GPIO\_PIN\_1| GPIO\_PIN\_2| GPIO\_PIN\_3, ui8PinData);

**// Wait 0.425 sec**

SysCtlDelay(1700000); **//changed the wait based on the time required**

**// Turn off LEDs**

GPIOPinWrite(GPIO\_PORTF\_BASE, GPIO\_PIN\_1|GPIO\_PIN\_2|GPIO\_PIN\_3, 0x00);

**// Wait 0.425 sec**

SysCtlDelay(1700000); **//changed this wait too**

**// Turn on the next LED in sequence**

if(ui8PinData<8) {ui8PinData\*=2;} else {ui8PinData=2;}

**wait time calculation** 80,000,000/10/2\*0.425 = 1,700,000

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**Task 02:**

Youtube Link: https://www.youtube.com/watch?v=5Us5JDzuPak

**Modified Schematic (if applicable):**

**Modified Code:**

// added count variable

uint8\_t count = 0;

//increment and reset count

count++;

if(count>6) count = 0;

//switch statement to handle changing colors

switch(count) {

case 0:

ui8PinData = 8;

break;

case 1:

ui8PinData = 4;

break;

case 2:

ui8PinData = 2;

break;

case 3:

ui8PinData = 12;

break;

case 4:

ui8PinData = 10;

break;

case 5:

ui8PinData = 6;

break;

case 6:

ui8PinData = 14;

break;

}

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