Task 02:

Youtube Link: https://www.youtube.com/watch?v=XBbq5U5-NnE

Modified Schematic (if applicable): N/A

Modified Code:

```c
// Insert code here
int main(void)
{

    .
    .
    .
While(1)
{
    .
    .
    .
    SysCtlDelay(5666666);
    //at 40Mhz, 40Mhz * .425 = 17Million clock cycles. So 17M / 3 = 5666666 for
    //the loop count since each loop is 3 cycles.
    GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x00);
    SysCtlDelay(5666666);
    .
    .
    .

}
```

Task 03:

Youtube Link: https://www.youtube.com/watch?v=q7sTkrpzJyA

Modified Schematic (if applicable):

Modified Code:

```c
    while(1)
    {

        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x04);     //
Blue on
        SysCtlDelay(5666666);
        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x08);     //
Green on
        SysCtlDelay(5666666);
```

Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.

```
        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x02);      //
Red on
        SysCtlDelay(5666666);
        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x0C);      //
BG
        SysCtlDelay(5666666);
        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x06);      //
BR
        SysCtlDelay(5666666);
        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x0A);      //
GR
        SysCtlDelay(5666666);
        GPIOPinWrite(GPIO_PORTF_BASE, GPIO_PIN_1|GPIO_PIN_2|GPIO_PIN_3, 0x0E);      //
RGB
        SysCtlDelay(5666666);
    }
```

Grading scheme: 30% Coding, 30% Documentation, 40% Execution/Video.