**Date Submitted: 09/30/18**

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

**Task 01:**

Youtube Link: https://www.youtube.com/watch?v=5nKnaa8-dxo

**Modified Code:**

**// Insert code here**

**int** **main**(**void**)

{

.

.

.

**SysCtlClockSet**(SYSCTL\_SYSDIV\_8|SYSCTL\_USE\_PLL|SYSCTL\_XTAL\_16MHZ|SYSCTL\_OSC\_MAIN);

//changed clock div from 5 to 8 to slow down to close to .425

.

.

.

}

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

**Task 02:**

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

**Part A:**

**Modified Code:**

uint8\_t ui8PinData[7]={2,4,8,6,10,12,15}; //Blink r,g,b,rg,rb,bg,rgb

uint8\_t i; // loop counter

**int** **main**(**void**)

{

.

.

.

**SysCtlClockSet**(SYSCTL\_SYSDIV\_8|SYSCTL\_USE\_PLL|SYSCTL\_XTAL\_16MHZ|SYSCTL\_OSC\_MAIN);

//changed clock div from 5 to 8 to slow down to close to .425

.

**for**(i = 0; i < 6; i++){

}

.

}

Youtube Link: https://www.youtube.com/watch?v=G1ZO53FBpdE

**Part B:**

**Modified Code:**

**int** **main**(**void**)

{

.

.

.

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

}

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