**Date Submitted:**

**Task 00: Execute provided code**

**Youtube Link: https://youtu.be/TuKdCbEMCZw**

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**Task 01:**

Youtube Link: https://youtu.be/M9XB7kRe7eg

**Modified Schematic (if applicable):**

**Modified Code:**

while(1)

{

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

SysCtlDelay(17000000);

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

SysCtlDelay(17000000);

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

}

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**Task 02:**

Youtube Link: https://youtu.be/PLqggzhsI7w

**Modified Schematic (if applicable):**

**Modified Code:**

while(1)

{

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

SysCtlDelay(16000000);

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

SysCtlDelay(16000000);

if(ui8PinData == 14) {ui8PinData=2;}

else if(ui8PinData == 12) {ui8PinData=14;}

else if(ui8PinData < 7) {ui8PinData += 6;}

else if(ui8PinData > 7) {ui8PinData -= 4;}

}

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