const int greenLEDPin = 9;

const int redLEDPin = 10;

const int blueLEDPin = 11;

void setup() {

Serial.begin(9600);

pinMode(greenLEDPin,OUTPUT);

pinMode(redLEDPin,OUTPUT);

pinMode(blueLEDPin,OUTPUT);

}

void loop() {

// turn on light to red for 1 second

analogWrite(redLEDPin, 255);

analogWrite(greenLEDPin, 0);

analogWrite(blueLEDPin, 0);

delay(1000);

// turn on light to green for 1 second

analogWrite(redLEDPin, 0);

analogWrite(greenLEDPin, 255);

analogWrite(blueLEDPin, 0);

delay(1000);

// turn on light to blue for 1 second

analogWrite(redLEDPin, 0);

analogWrite(greenLEDPin, 0);

analogWrite(blueLEDPin, 255);

delay(1000);

// try adding other colors of your own. Google "RGB table" and look for other colors!

}