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Experiment No. : 04

Statement : Fade and brighten 5 LEDs alternatively.

Date of Exp. : xx/xx/xxxx

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int ledPin1 = 3;

int ledPin2 = 5;

int ledPin3 = 6;

int ledPin4 = 9;

int ledPin5 = 10;

int brightness = 0;

int fadeAmount = 5;

void setup() {

pinMode(ledPin1,OUTPUT);

pinMode(ledPin2,OUTPUT);

pinMode(ledPin3,OUTPUT);

pinMode(ledPin4,OUTPUT);

pinMode(ledPin5,OUTPUT);

}

void loop(){

analogWrite(ledPin1 , brightness);

analogWrite(ledPin2 , brightness);

analogWrite(ledPin3 , brightness);

analogWrite(ledPin4 , brightness);

analogWrite(ledPin5 , brightness);

brightness = brightness + fadeAmount;

if (brightness <= 0 || brightness >= 255) {

fadeAmount = -fadeAmount;

}

delay(30);

}



