int redLEDPin=13;

void setup() {

Serial.begin(9600);

pinMode(13, OUTPUT);

//for (int i=0; i<5; i++){

// digitalWrite(redLEDPin, HIGH);

// delay(250);

// digitalWrite(redLEDPin, LOW);

// delay(250);

//}

}

void loop() {

//digitalWrite(13, HIGH);

//digitalWrite)13, LOW);

//for (int j = 1; j <= 10; j = j + 1){

//pass

//}

//analogWrite(redLEDPin, 127);

Task1();

//Task2();

//Task3();

}

int Task1(){

int direction=1;

int intensity=0;

int delta=5;

int timeint=5;

while(1){

if(direction==1){

delay(timeint);

intensity+=delta;

}else{

delay(timeint);

intensity-=delta;

}

analogWrite(redLEDPin, intensity);

if(intensity>=254 || intensity<=1){

direction = 1 - direction;

}

}

return 0;

}

int Task2(){

//pass;

}

int Task3(){

}