int times = 5;

int redPin = 12; // Red LED connected to digital pin 12 int greenPin = 11;

int greenPin = 11; // Green LED connected to digital pin 11

// the setup function runs once when you press reset or power the board

void setup() {

// initialize digital pin LED\_BUILTIN as an output.

pinMode(redPin, OUTPUT); // sets the digital pin as output

pinMode(greenPin, OUTPUT);

Serial.begin(9600);

}

// the loop function runs over and over again forever

void loop() {

int timesBlinked = blink(2, redPin);

Serial.print("The LED was SUPPOSED to blink ");

Serial.print(times);

Serial.print(" times BUT only blinked ");

Serial.println(timesBlinked);

delay(1000);

}

int blink(int value, int led) {

// a new procedure defined by you to blink the LED

int times = value;

for (int i = 0; i < times; i++) {

digitalWrite(redPin, HIGH);

delay(500); // wait for a second

digitalWrite(redPin, LOW);

delay(500);

digitalWrite(greenPin, HIGH);

delay(500);

digitalWrite(greenPin, LOW);// turn the LED off by making the voltage LOW

delay(500); // wait for a second

}

Serial.print("The LED blinked ");

Serial.print(times);

Serial.println(" times.");

return times;

}