// 13 = red; 12 = yellow; 11 = green;

void setup() {

  pinMode(13, OUTPUT);

  pinMode(12, OUTPUT);

  pinMode(11, OUTPUT);

}

void loop() {

  digitalWrite(13, HIGH);

  delay(5000);

  digitalWrite(13, LOW);

  digitalWrite(11, HIGH);

  delay(1000);

  digitalWrite(11, LOW);

  digitalWrite(11, HIGH);

  delay(500);

  digitalWrite(11, LOW);

  delay(500);

  digitalWrite(11, HIGH);

  delay(500);

  digitalWrite(11, LOW);

  delay(500);

  digitalWrite(11, HIGH);

  delay(500);

  digitalWrite(11, LOW);

  delay(500);

  digitalWrite(11, HIGH);

  delay(500);

  digitalWrite(11, LOW);

  delay(500);

  digitalWrite(12, HIGH);

  delay(2000);

  digitalWrite(12, LOW);

}

**PIR**

int val = 0;

void setup(){

  //put your setup code here, to run once

  pinMode(12, OUTPUT);

  pinMode(2, INPUT);

  //pin 2 is used as input

**Serial**.begin(9600);

}

void loop(){

  //put your main code here, to run repeatedly:

  val = digitalRead(2);

  if(val == HIGH)

    {

      digitalWrite(12, HIGH);

      delay(100);

**Serial**.println("Motion detected");

    }

    else

    {

      digitalWrite(12, LOW);

**Serial**.println("Motion not detected");

    }

}

**Dht 11**

#include <DHT.h>

DHT dht(4,DHT11);

void setup() {

  // put your setup code here, to run once:

**Serial**.begin(9600);

  dht.begin();

}

void loop() {

  // put your main code here, to run repeatedly:

**Serial**.println("Temperature (%): ");

**Serial**.println(dht.readTemperature());

**Serial**.println("Humidity (%): ");

**Serial**.println(dht.readHumidity());

  delay(3000);

}

**Servo motor**

#include <Servo.h>

Servo myservo;

int pos =0;

void setup() {

  // put your setup code here, to run once:

  myservo.attach(9);

}

void loop() {

  // put your main code here, to run repeatedly:

  for(pos =0; pos <=180; pos +=1)

  {

    myservo.write(pos);

    delay(10);

  }

  for(pos =180; pos>=0; pos -=1)

  {

    myservo.write(pos);

    delay(10);

  }

}