#define BLYNK\_PRINT Serial

#include <ESP8266WiFi.h>

#include <BlynkSimpleEsp8266.h>

#include <Servo.h> // Include the Servo library

Servo servo\_motor;

// You should get Auth Token in the Blynk App.

// Go to the Project Settings (nut icon).

char auth[] = "b36c653424b049088a5ae7e332a95b4";

// Your WiFi credentials.

// Set password to "" for open networks.

char ssid[] = "Digisol";

char pass[] = "";

int ir1=12; //Digital pin D6

int ir2=16; //Digital pin D7

int servoPin = 2 ;//Digital pin D4

int small=0;

int big=0;

int blynk\_pin = 0;

void setup() {

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

Serial.begin(115200);

Blynk.begin(auth, ssid, pass);

pinMode(ir1,INPUT);

pinMode(ir2,INPUT);

servo\_motor.attach(servoPin); // We need to attach the servo to the used pin number

servo\_motor.write(90); //set servo at 90 degrees default

Blynk.virtualWrite(V2,big);

Blynk.virtualWrite(V3,small);

}

BLYNK\_WRITE(V1){

if (param.asInt()){

blynk\_pin=1;

}

else{

blynk\_pin=0;

}

}

void loop() {

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

Blynk.run();

if(blynk\_pin) {

int ir1\_status=digitalRead(ir1);

int ir2\_status=digitalRead(ir2);

/\* if(ir1\_status == 1 && ir2\_status == 1){

big = big + 1;

Blynk.virtualWrite(V2,big);

servo\_motor.write(90);

//delay(1000);

}\*/

if(ir1\_status == 1 && ir2\_status == 0){

small = small + 1;

Blynk.virtualWrite(V3,small);

servo\_motor.write(160);

//delay(1000);

}

else{

servo\_motor.write(90);

//delay(1000);

big = big + 1;

Blynk.virtualWrite(V2,big);

}

delay(1000);

}

}