#include <ESP8266WiFi.h>

#include <WiFiClient.h>

#include <ESP8266WebServer.h>

#include <ESP8266HTTPClient.h> //esp files

const char \*ssid = "android ap"; //ENTER YOUR WIFI SETTINGS

const char \*password = "androidap";

int gas,count1;

int water;

char id[2];

void setup() {

//Serial Begin at 9600 Baud

Serial.begin(9600);

pinMode(D2,OUTPUT);

delay(1000);

Serial.begin(9600);

WiFi.mode(WIFI\_OFF); // Wifi mode off

delay(1000);

WiFi.mode(WIFI\_STA); // Wifi station mode

delay(1000);

WiFi.begin(ssid,password); // Connecting to Wifi

Serial.println("Connecting");

while(WiFi.status()!=WL\_CONNECTED) // Checking if connected

{

delay(500);

Serial.print(".");

}

Serial.println("");

Serial.print("Connected to ");

Serial.println(ssid);

Serial.print("IP address: ");

Serial.println(WiFi.localIP());

}

void loop() {

digitalWrite(D2,HIGH);

while(!Serial.available()){

}

Serial.readBytes(id,1); //Read the serial data and store it

Serial.print(" id=");

Serial.println(id);

if(id[0]=='G'){

while(!Serial.available()){

}

gas=Serial.read(); //Read the serial data and store it

Serial.print(" gas=");

Serial.println(gas);

}

if(id[0]=='C'){

while(!Serial.available()){

}

count1=Serial.read(); //Read the serial data and store it

Serial.print(" count1=");

Serial.println(count1);

}

if(id[0]=='W'){

while(!Serial.available()){

}

water=Serial.read(); //Read the serial data and store it

Serial.print(" water=");

Serial.println(water);

}

while(WiFi.status()!=WL\_CONNECTED) {

digitalWrite(D2,LOW);

}

// delay(1000);

}