#include "ThingSpeak.h"

#include <ESP8266WiFi.h>

#define D1 5

#define D2 4

#define D3 0

#define D4 2

//Replace your wifi credentials here

const char\* ssid = "test1";

const char\* password = "password";

//change your channel number here

unsigned long channel = 1214119;

//1,2 and 3 are channel fields. You don't need to change if you are following this tutorial. However, you can modify it according to your application

unsigned int led1 = 1;

unsigned int led2 = 2;

unsigned int led3 = 3;

unsigned int led4 = 4;

unsigned int led5 = 5;

WiFiClient client;

void setup() {

Serial.begin(115200);

delay(100);

pinMode(D1, OUTPUT);

pinMode(D2, OUTPUT);

pinMode(D3, OUTPUT);

pinMode(D4, OUTPUT);

digitalWrite(D1, 0);

digitalWrite(D2, 0);

digitalWrite(D3, 0);

digitalWrite(D4, 0);

// We start by connecting to a WiFi network

Serial.println();

Serial.println();

Serial.print("Connecting to ");

Serial.println(ssid);

WiFi.begin(ssid, password);

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

delay(500);

Serial.print(".");

}

Serial.println("");

Serial.println("WiFi connected");

Serial.println("IP address: ");

Serial.println(WiFi.localIP());

Serial.print("Netmask: ");

Serial.println(WiFi.subnetMask());

Serial.print("Gateway: ");

Serial.println(WiFi.gatewayIP());

ThingSpeak.begin(client);

}

void loop() {

//get the last data of the fields

int cmd1 = ThingSpeak.readFloatField(channel, led1);

int cmd2 = ThingSpeak.readFloatField(channel, led2);

int cmd3 = ThingSpeak.readFloatField(channel, led3);

int cmd4 = ThingSpeak.readFloatField(channel, led4);

int cmd5 = ThingSpeak.readFloatField(channel, led5);

if(cmd1 == 1){

digitalWrite(D1, 1);

digitalWrite(D2, 0);

digitalWrite(D3, 1);

digitalWrite(D4, 0);

Serial.println("D1 is On..!");

}

else if(cmd2 == 1){

digitalWrite(D1, 0);

digitalWrite(D2, 1);

digitalWrite(D3, 0);

digitalWrite(D4, 1);

Serial.println("D1 is Off..!");

}

else if(cmd3 == 1){

digitalWrite(D1, 1);

digitalWrite(D2, 0);

digitalWrite(D3, 0);

digitalWrite(D4, 0);

delay(2000);

digitalWrite(D1, 1);

digitalWrite(D2, 0);

digitalWrite(D3, 1);

digitalWrite(D4, 0);

Serial.println("D2 is Off..!");

}

else if(cmd4 == 1){

digitalWrite(D3, 1);

digitalWrite(D1, 0);

digitalWrite(D2, 0);

digitalWrite(D4, 0);

delay(2000);

digitalWrite(D1, 1);

digitalWrite(D2, 0);

digitalWrite(D3, 1);

digitalWrite(D4, 0);

Serial.println("D3 is On..!");

}

else if(cmd5 == 1){

digitalWrite(D3, 0);

digitalWrite(D1, 0);

digitalWrite(D2, 0);

digitalWrite(D4, 0);

Serial.println("D3 is Off..!");

}

Serial.println(cmd1);

Serial.println(cmd2);

Serial.println(cmd5);

delay(5000);

}