#include <ESP8266WiFi.h>

#include <WiFiClient.h>

#include <PubSubClient.h>

#include <ESP8266WebServer.h>

#include <ESP8266HTTPClient.h>

int StringCount = 0;

String test="";

const char\* ssid = "SMART-G";

const char\* password = "10112019";

String strs[20];

#define WT A0

#define CY D0

#define ID "zwtuya"

#define DEVICE\_TYPE "ESP8266"

#define DEVICE\_ID "TEST"

#define TOKEN "TEST-12345"

int i=0;

char server[] = ID ".messaging.internetofthings.ibmcloud.com";

char publish\_Topic1[] = "iot-2/evt/Data1/fmt/json";

char publish\_Topic2[] = "iot-2/evt/Data2/fmt/json";

char authMethod[] = "use-token-auth";

char token[] = TOKEN;

char clientId[] = "d:" ID ":" DEVICE\_TYPE ":" DEVICE\_ID;

WiFiClient wifiClient;

PubSubClient client(server, 1883, NULL, wifiClient);

void setup() {

Serial.begin(115200);

// dht.begin();

Serial.println();

WiFi.begin(ssid, password);

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

delay(500);

Serial.print(".");

}

Serial.println("");

Serial.println(WiFi.localIP());

if (!client.connected()) {

Serial.print("Reconnecting client to ");

Serial.println(server);

while (!client.connect(clientId, authMethod, token)) {

Serial.print(".");

delay(500);

}

Serial.println("Connected TO IBM IoT cloud!");

}

}

long previous\_message = 0;

void loop() {

HTTPClient http;

String postData;

String key = Serial.readString();

Serial.print(key);

postData = "uname=";

http.begin("http://patient.fantasysolution.in/kitpage.php?id=3");

http.addHeader("Content-Type", "application/x-www-form-urlencoded");

int httpCode = http.POST(postData);

String payloa = http.getString();

Serial.println(payloa);

http.end();

delay(100);

String str=payloa;

while (str.length() > 0)

{

int index = str.indexOf(',');

if (index == -1) // No space found

{

strs[StringCount++] = str;

break;

}

else

{

strs[StringCount++] = str.substring(0, index);

str = str.substring(index+1);

}

}

Serial.println(strs[0]);

Serial.println(strs[1]);

if(strs[0]=="101")

{

i++;

if(i<=1)

{

HTTPClient http;

String postData;

postData = "username=fantasy&password=596692&to=9344858610&from=FSSMSS&message=Dear user your msg is child location change sent By FSMSG FSSMSS&PEID=1501563800000030506&templateid=1507162882948811640";

Serial.print(postData);

http.begin("http://smsserver9.creativepoint.in/api.php");

http.addHeader("Content-Type", "application/x-www-form-urlencoded");

int httpCode = http.POST(postData);

String payload = http.getString();

Serial.println(payload);

http.end();

delay(1000);

}

}

else{

i=0;

String payload = "{\"d\":{\"Name\":\"" DEVICE\_ID "\"";

payload += ",\"LAT\":";

payload += strs[0];

payload += "}}";

Serial.print("Sending payload: ");

Serial.println(payload);

if (client.publish(publish\_Topic1, (char\*) payload.c\_str())) {

Serial.println("Published successfully");

} else {

Serial.println("Failed");

}

String payload1 = "{\"d\":{\"Name\":\"" DEVICE\_ID "\"";

payload1 += ",\"LAN\":";

payload1 += strs[1];

payload1 += "}}";

Serial.print("Sending payload: ");

Serial.println(payload1);

Serial.println('\n');

if (client.publish(publish\_Topic2, (char\*) payload1.c\_str())) {

Serial.println("Published successfully");

} else {

Serial.println("Failed");

}

}

delay(1000);

}