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Source code ตัวรับ
#include <ESP8266WiFi.h>
#include <PubSubClient.h>
const char* ssid = "Apple TV";
const char* password = "APPLE_TV";

#define mqtt_server "m12.cloudmqtt.com"
#define mqtt_port 10250
#define mqtt_user "wvottqye"
#define mqtt_password "tr8fy-KkiXay"
float oldTemp = 0.0;
WiFiClient espClient;
PubSubClient client(espClient);
void setup() {
  pinMode(D1, OUTPUT);
  Serial.begin(115200);
  digitalWrite(D1, HIGH);

  delay(10);

  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());
  client.setServer(mqtt_server, mqtt_port);
  client.setCallback(callback);
}


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42
43    void loop() {
44      if (!client.connected()) {
45        Serial.print("Attempting MQTT connection...");
46        if (client.connect("iotsub", mqtt_user, mqtt_password)) {
47          Serial.println("connected");
48          client.subscribe("/checkDistance");
49        } else {
50          Serial.print("failed, rc=");
51          Serial.print(client.state());
52          Serial.println(" try again in 5 seconds");
53          delay(5000);
54          return;
55        }
56      }
57      client.loop();
58    }
59
60    void callback(char* topic, byte* payload, unsigned int length) {
61      //Serial.print("Message arrived [");
62      //Serial.print(topic);
63      String msg = "";
64      String to = "";
65      int i = 0;
66      while (i < length) msg += (char)payload[i++];
67    //  Serial.println(msg);
68      to = topic;
69    //  Serial.print(to);
70      if (to == "/checkDistance") {
71        Serial.println(msg);
72        if (msg.toFloat() > 30) {
73          digitalWrite(D1, LOW);
74        } else {
75          digitalWrite(D1, HIGH);
76        }
77      }
78    }
79
```