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1  //
2  //
3  // Desarrolladores de este código:
4  //
5  //   - Xavier Vilanova Barrio - 2022
6  //
7  //   - Marc Mora Riera - 2022
8  //
9  //
10 // Este programa utiliza de base el Programa Sensores de:
11 //   - JUAN PALOMARES MOYANO - 2019
12 // No se permite la distribución, la utilización o la venta de este código
13 // sin el permiso de los desarrolladores
14 //
15 // Micro: ESP32 Dev Module
16 // MPU6500 - Bus I2C
17 // Boto Generic
18
19
20 #include <WiFi.h>
21 #include <HTTPClient.h>
22
23 const char* ssid = "ESP32-Access-Point";
24 const char* password = "123456789";
25
26 //Your IP address or domain name with URL path
27 const char* serverNameAccelerometre = "http://192.168.4.1/accelerometre";
28
29 #include <Wire.h>
30
31
32 //String Acceleracio;
33 String Acceleracio;
34
35
36 unsigned long previousMillis = 0;
37 const long interval = 50;
38
39 void setup() {
40     Serial.begin(115200);
41
42
43     WiFi.begin(ssid, password);
44     //IPAddress IP(192, 168, 1, 184);
45     Serial.println("Connecting");
46     while(WiFi.status() != WL_CONNECTED) {
47         delay(50);
48         Serial.print(".");
49     }
50     Serial.println("");
51     Serial.print("Connected to WiFi network with IP Address: ");
52     Serial.println(WiFi.localIP());
53 }
54
55 void loop() {
56     unsigned long currentMillis = millis();
57
58     if(currentMillis - previousMillis >= interval) {
59         // Check WiFi connection status
60         if(WiFi.status() == WL_CONNECTED) {
61             humidity = httpGETRequest(serverNameAcceleracio);
62             Serial.println( Acceleracio);
63
64             // save the last HTTP GET Request
65             previousMillis = currentMillis;
66         }
67         else {
68             Serial.println("WiFi Disconnected");
69         }
70     }
71 }
72
73

```

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74
75
76 String httpGETRequest(const char* serverName) {
77     WiFiClient client;
78     HTTPClient http;
79
80     // Your Domain name with URL path or IP address with path
81     http.begin(client, serverName);
82
83     // Send HTTP POST request
84     int httpStatusCode = http.GET();
85
86     String payload = "--";
87
88     if (httpStatusCode>0) {
89         // Serial.print("HTTP Response code: ");
90         // Serial.println(httpStatusCode);
91         payload = http.getString();
92     }
93     else {
94         // Serial.print("Error code: ");
95         // Serial.println(httpStatusCode);
96     }
97     // Free resources
98     http.end();
99
100     return payload;
101 }
102

```