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// *** ESP-12F <--> DHT22

#include <ESP8266WiFi.h>
#include <WiFiClient.h>
#include <ESP8266WebServer.h>
//Library : https://osoyoo.com/wp-content/uploads/samplecode/DHT.zip
#include<dht.h>
dht DHT;
#define DHT22_PIN D2
const char* ssid = "a-point2";
const char* password = "*****";
IPAddress local_IP(192, 168, ***, ***);
IPAddress gateway(192, 168, 1, 1);
IPAddress subnet(255, 255, 255, 0);
ESP8266WebServer server(80);
String t,h,thdata;

void handleRoot() {
  server.send(200, "text/plain", thdata+"¥r¥n");
}

void setup() {
  Serial.begin(115200);
  WiFi.begin(ssid, password);
  if (!WiFi.config(local_IP, gateway, subnet)) {
    Serial.println("Failed to configure static IP");
  }
  while (WiFi.status() != WL_CONNECTED) {
    delay(500);
    Serial.print(".");
  }
  Serial.println("¥nWiFi connected");
  Serial.print("IP address: ");
  Serial.println(WiFi.localIP());
  server.on("/", handleRoot);
  server.begin();
}

void loop() {
  server.handleClient();
  int chk = DHT.read22(DHT22_PIN);
  t = String(DHT.temperature,2);
  h = String(DHT.humidity,2);
  thdata = "Temp:" + t + "C " + "Humid:" + h + "%¥n";
  Serial.println(thdata);
  delay(500);
}

```