#include <DHT.h>

#include <ESP8266WiFi.h>

const char\* ssid = "";

const char\* password = "";

#define DHTPIN 2

#define DHTTYPE DHT22

DHT dht(DHTPIN, DHTTYPE);

const char\* host = "YOUR\_SERVER\_ADDRESS";

const int port = 80;

void setup() {

Serial.begin(115200);

dht.begin();

connectWiFi();

}

void loop() {

float humidity = dht.readHumidity();

float temperature = dht.readTemperature();

if (isnan(humidity) || isnan(temperature)) {

Serial.println("Failed to read from DHT sensor!");

return;

}

WiFiClient client;

if (client.connect(host, port)) {

String url = "/sendData?temperature=" + String(temperature) + "&humidity=" + String(humidity);

client.print(String("GET ") + url + " HTTP/1.1\r\n" +

"Host: " + host + "\r\n" +

"Connection: close\r\n\r\n");

delay(10);

client.stop();

} else {

Serial.println("Connection failed");

}

delay(10000); // Delay for 10 seconds before sending the next reading

}

void connectWiFi() {

Serial.print("Connecting to WiFi");

WiFi.begin(ssid, password);

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

delay(1000);

Serial.print(".");

}

Serial.println();

Serial.println("Connected to WiFi");

}