#include <ESP8266WiFi.h>

#include <ESP8266WebServer.h>

#include "DHT.h"

#define DHTTYPE DHT22

/\*Put your SSID & Password\*/

const char\* ssid = "YourNetworkName"; // Enter SSID here

const char\* password = "YourPassword"; //Enter Password here

ESP8266WebServer server(80);

// DHT Sensor

uint8\_t DHTPin = D8;

// Initialize DHT sensor.

DHT dht(DHTPin, DHTTYPE);

float Temperature;

float Humidity;

void setup() {

Serial.begin(115200);

delay(100);

pinMode(DHTPin, INPUT);

dht.begin();

Serial.println("Connecting to ");

Serial.println(ssid);

//connect to your local wi-fi network

WiFi.begin(ssid, password);

//check wi-fi is connected to wi-fi network

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

delay(1000);

Serial.print(".");

}

Serial.println("");

Serial.println("WiFi connected..!");

Serial.print("Got IP: "); Serial.println(WiFi.localIP());

server.on("/", handle\_OnConnect);

server.onNotFound(handle\_NotFound);

server.begin();

Serial.println("HTTP server started");

}

void loop() {

server.handleClient();

}

void handle\_OnConnect() {

Temperature = dht.readTemperature(); // Gets the values of the temperature

Humidity = dht.readHumidity(); // Gets the values of the humidity

server.send(200, "text/html", SendHTML(Temperature,Humidity));

}

void handle\_NotFound(){

server.send(404, "text/plain", "Not found");

}

String SendHTML(float Temperaturestat,float Humiditystat){

String ptr = "<!DOCTYPE html> <html>\n";

ptr +="<head><meta name=\"viewport\" content=\"width=device-width, initial-scale=1.0, user-scalable=no\">\n";

ptr +="<title>ESP8266 Weather Report</title>\n";

ptr +="<style>html { font-family: Helvetica; display: inline-block; margin: 0px auto; text-align: center;}\n";

ptr +="body{margin-top: 50px;} h1 {color: #444444;margin: 50px auto 30px;}\n";

ptr +="p {font-size: 24px;color: #444444;margin-bottom: 10px;}\n";

ptr +="</style>\n";

ptr +="</head>\n";

ptr +="<body>\n";

ptr +="<div id=\"webpage\">\n";

ptr +="<h1>ESP8266 NodeMCU Weather Report</h1>\n";

ptr +="<p>Temperature: ";

ptr +=(int)Temperaturestat;

ptr +="°C</p>";

ptr +="<p>Humidity: ";

ptr +=(int)Humiditystat;

ptr +="%</p>";

ptr +="</div>\n";

ptr +="</body>\n";

ptr +="</html>\n";

return ptr;

}