2nd method of weather webcasting with help of internal searching

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#include <WiFi.h>

#include <HTTPClient.h>

const char\* ssid = "Excell";

const char\* password = "sunny@79";

WiFiServer server(80);

String header;

unsigned long currentTime = millis();

unsigned long previousTime = 0;

const long timeoutTime = 2000;

void setup() {

Serial.begin(9600);

delay(3000);

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());

server.begin();

while(1){

WiFiClient client = server.available();

if ((WiFi.status() == WL\_CONNECTED)) {

HTTPClient http;

http.begin("http://api.openweathermap.org/data/2.5/weather?q=Hyderabad,IN&appid=e3c8db07ce5a324b3e82a25097c08dc2");

int httpCode = http.GET();

if (httpCode > 0) {

String payload = http.getString();

Serial.println(payload);

int len= payload.length();

char value[len];

payload.toCharArray(value, len);

int i;

int h;

for(i=0;i<=len;i++)

{

if((value[i]=='t') && (value[i+1]=='e') && (value[i+2]=='m') && (value[i+3]=='p'))

{

Serial.println("index found");

break;

}

}

for(h=0;h<=len;h++)

{

if((value[h]=='h') && (value[h+1]=='u') && (value[h+2]=='m') && (value[h+3]=='i'))

{

Serial.println("index 2 found");

break;

}

}

Serial.println(value[i]);

Serial.println(value[h]);

if (client) {

currentTime = millis();

previousTime = currentTime;

Serial.println("New Client.");

String currentLine = "";

while (client.connected() && currentTime - previousTime <= timeoutTime) {

currentTime = millis();

if (client.available()) {

char c = client.read();

Serial.write(c);

header += c;

if (c == '\n') {

if (currentLine.length() == 0){

client.println("HTTP/1.1 200 OK");

client.println();

client.println("<!DOCTYPE html><html>");

client.println("<head><meta name=\"viewport\" content=\"width=device-width, initial-scale=1\">");

client.println("<link rel=\"icon\" href=\"data:,\">");

client.println("<body><h1>Weather Webcast</h1>");

client.print("Temperature = ");

for(int v=i+6;v<=i+11;v++)

{

client.print(value[v]);

}

client.print(" Kelvin");

client.println("<p> </p>");

client.print("Humidity = ");

for(int u=h+10;u<=h+11;u++)

{

client.print(value[u]);

}

client.println("%");

client.println("</body></html>");

client.println();

break;

} else {

currentLine = "";

}

} else if (c != '\r') {

currentLine += c;

}

}

}

header = "";

client.stop();

Serial.println("Client disconnected.");

Serial.println("");

http.end();

}

}

}

else {

Serial.println("Error on HTTP request");

}

}

}

void loop()

{

}

