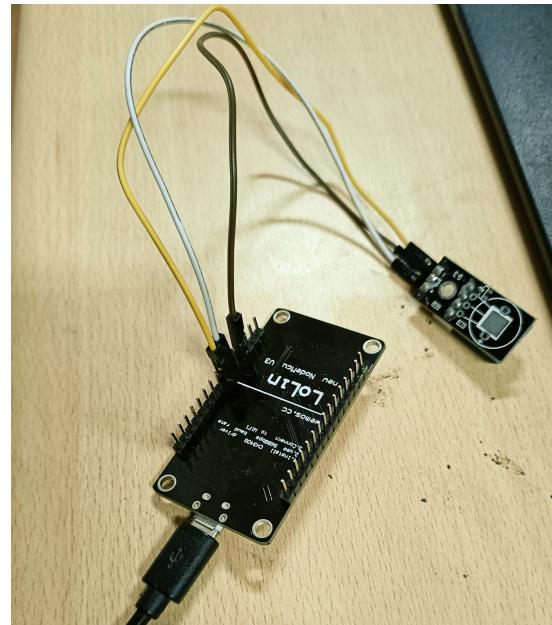


```
Waiting...
Temperature: 31.90 degrees Celcius, Humidity: 50.00%. Send to Thingspeak.
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Waiting...
Temperature: 31.90 degrees Celcius, Humidity: 50.00%. Send to Thingspeak.
Waiting...
.....
 Autoscroll  Show timestamp Both NL & CR 115200 baud Clear output
```



PROGRAM CODE

```
#include <DHT.h> // Including library for dht
#include <ESP8266WiFi.h>

String apiKey = "ZFUGAE3OYYY85FV3"; // Enter your
Write API key from ThingSpeak

const char *ssid = "realme 8s 5G"; // replace with your
wifi ssid and wpa2 key
const char *pass = "19anita79";
const char* server = "api.thingspeak.com";

#define DHTPIN 0 //pin where the dht11 is connected

DHT dht(DHTPIN, DHT11);

WiFiClient client;

void setup()
{
    Serial.begin(115200);
    delay(10);
    dht.begin();

    Serial.println("Connecting to ");
    Serial.println(ssid);

    WiFi.begin(ssid, pass);

    while (WiFi.status() != WL_CONNECTED)
    {
        delay(500);
        Serial.print(".");
    }
    Serial.println("");
    Serial.println("WiFi connected");
}

void loop()
{
    float h = dht.readHumidity();
    float t = dht.readTemperature();

    if (isnan(h) || isnan(t))
    {
        Serial.println("Failed to read from
                      DHT sensor!");
        return;
    }

    if (client.connect(server,80)) // "184.106.153.149" or
api.thingspeak.com
{
        String postStr = apiKey;
        postStr += "&field1=";
        postStr += String(t);
        postStr += "&field2=";
        postStr += String(h);
        postStr += "\r\n\r\n";

        client.print("POST /update HTTP/1.1\n");
        client.print("Host: api.thingspeak.com\n");
        client.print("Connection: close\n");
        client.print("X-THINGSPEAKAPIKEY: "+apiKey+"\n");
        client.print("Content-Type: application/x-www-form-
urlencoded\n");
        client.print("Content-Length: ");
        client.print(postStr.length());
        client.print("\n\n");
        client.print(postStr);

        Serial.print("Temperature: ");
        Serial.print(t);
        Serial.print(" degrees Celcius, Humidity: ");
        Serial.print(h);
        Serial.println("%. Send to Thingspeak.");
    }
    client.stop();

    Serial.println("Waiting... ");

    // thingspeak needs minimum 15 sec delay
    // between updates
    delay(1000);
}
```