

ESP8266 Project 2 for DNT sensor

```
#include <WiFi.h>
#include "DHT.h"
#include <ThingSpeak.h>
const char apiKey[] = "5V6Y05M7DJFR3SOD"; // write your "Write API key"
const char* ssid = "Wokwi-GUEST"; // write your "wifi name"
const char* password = ""; // write your "wifi password"
//const char* ssid = "mugil";
//const char* password = "12345678";
const char* server = "api.thingspeak.com";
long myChannelNumber = 2457760;

WiFiClient client;

DHT dht(38, DHT22); // (dht pin no, dht sensor type)
float Hum, Temp;

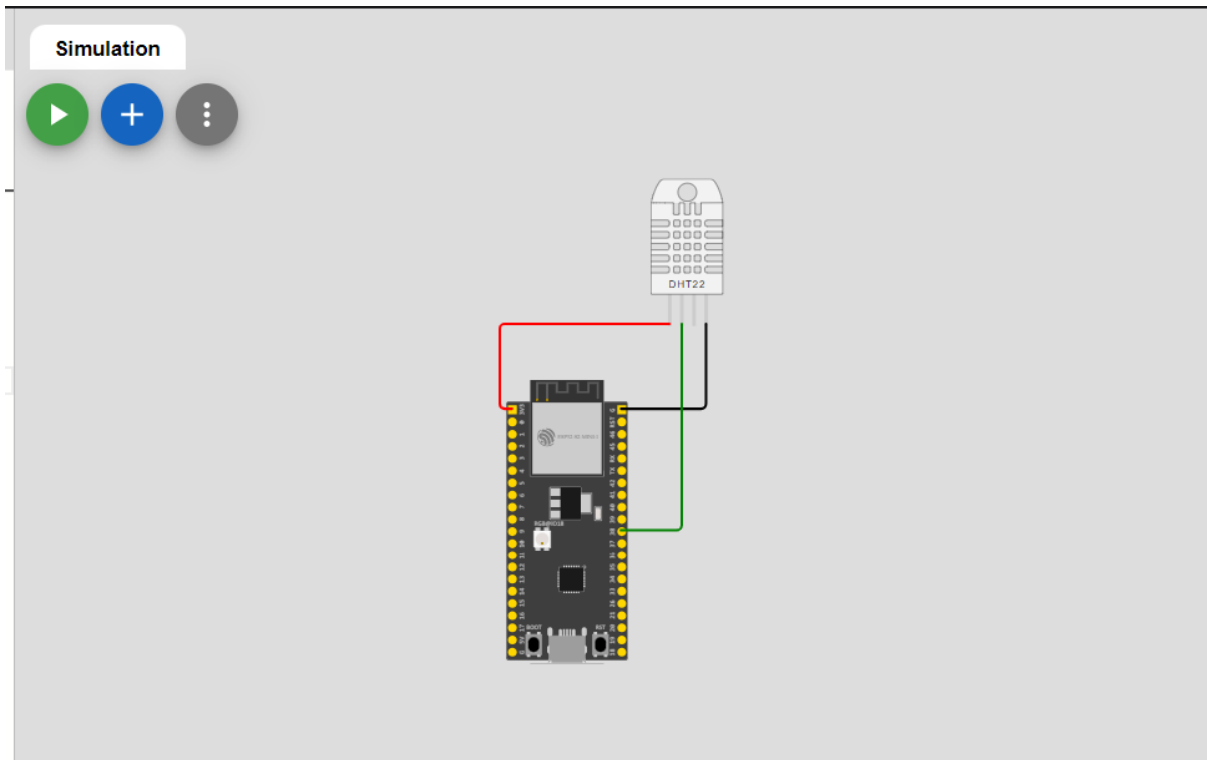
void setup()
{
  Serial.begin(9600);
  Serial.println("Serial Begin");
  dht.begin();

  WiFi.begin(ssid, password);
  Serial.println();
  Serial.println();
  Serial.print("Connecting to ");
  Serial.println(ssid);

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

void loop() {
  Hum = dht.readHumidity();
  Temp = dht.readTemperature();
  Serial.println("Temperature: "+ (String)Temp);
  Serial.println("Humidity: "+ (String)Hum);
  ThingSpeak.writeField(myChannelNumber, 1, Temp, apiKey);
  ThingSpeak.writeField(myChannelNumber, 2, Hum, apiKey);
  Serial.println("Waiting");
}
```

```
    delay(5000);  
}
```



```
ESP-ROM:esp32s2-rc4-20191025  
Build:Oct 25 2019  
rst:0x1 (POWERON),boot:0x8 (SPI_FAST_FLASH_BOOT)  
Saved PC:0xffffffff  
SPIWP:0xee  
mode:DIO, clock div:1  
load:0x3ffe6100,len:0x468  
load:0x4004c000,len:0x7e0  
load:0x40050000,len:0x2140  
entry 0x4004c168  
Serial Begin
```

```
Connecting to Wokwi-GUEST
```

```
.....  
WiFi connected  
Temperature: -13.80  
Humidity: 42.00  
Waiting  
Temperature: -13.80  
Humidity: 42.00  
Waiting  
Temperature: -13.80  
Humidity: 42.00  
Waiting  
Temperature: -13.80
```

Humidity: 42.00
Waiting
Temperature: -13.80
Humidity: 42.00
Waiting
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Waiting
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Waiting
Temperature: -13.80
Humidity: 42.00
Waiting