

esp32-dht22.ino diagram.json libraries.txt Library Manager

```
1 #include <WiFi.h>
2 #include <PubSubClient.h>
3 WiFiClient wificlient;
4 String data3;
5 #define ORG "s8ov1q"
6 #define DEVICE_TYPE "gayathri"
7 #define DEVICE_ID "gayathri123"
8 #define TOKEN "123456789"
9 #define speed 0.034
10 #define led 14
11 char server[] = ORG ".messaging.internetofthings.ibmcloud.com";
12 char publishTopic[] = "iot-2/evt/Gayathri/fmt/json";
13 char topic[] = "iot-2/cmd/home/fmt/String";
14 char authMethod[] = "use-token-auth";
15 char token[] = TOKEN;
16 char clientId[] = "d:" ORG ":" DEVICE_TYPE ":" DEVICE_ID;
17 PubSubClient client(server, 1883, wificlient);
18 void publishData();
19
20
21 const int trigpin=5;
22 const int echopin=18;
23 String command;
24 String data="";
25
26 long duration;
27 float dist;
28
29
30
31 void setup()
32 {
33   Serial.begin(115200);
34   pinMode(led, OUTPUT);
35   pinMode(trigpin, OUTPUT);
```

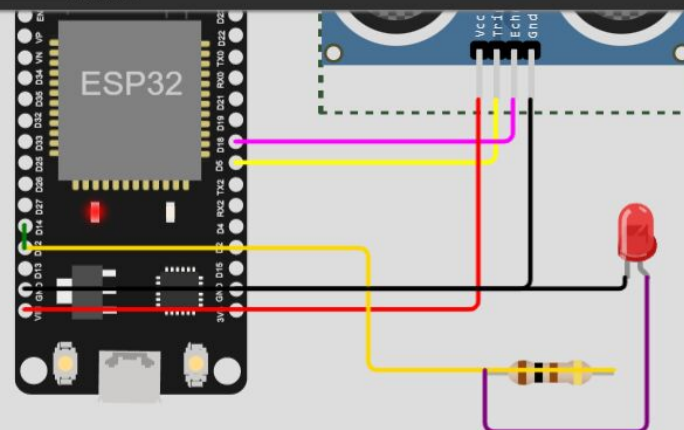
Simulation



00:24.148 101%

Editing Ultrasonic Distance Sensor

Distance: 103cm



Sending payload: {"Normal Distance":102.99}

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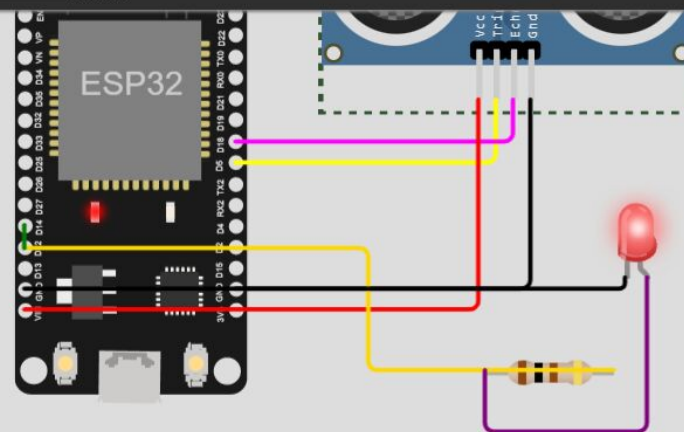
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33   Serial.begin(115200);
34   pinMode(led, OUTPUT);
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```

Simulation



00:44.644 96%

Editing Ultrasonic Distance Sensor  
Distance: 77cm



Warning crosses 110cm -- it automatically of the loop

Sending payload: {"Alert Distance":76.99}

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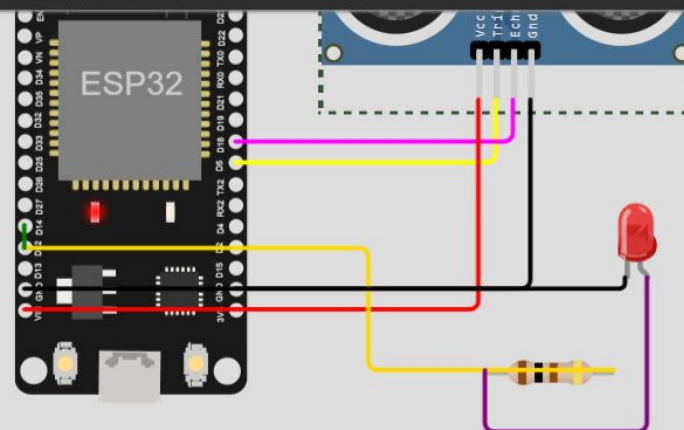
Simulation



01:07.359 100%

Editing Ultrasonic Distance Sensor

Distance: 127cm



Sending payload: {"Normal Distance":106.98}

Sending payload: {"Normal Distance":108.97}

Sending payload: {"Normal Distance":109.96}

Sending payload: {"Normal Distance":110.98}