

WOKWI

esp32-dht22.ino copy

```
1 #include <WiFi.h>
2 #include <PubSubClient.h>
3 WiFiClient wifiClient;
4 String data3;
5 #define ORG "kuuz2a"
6 #define DEVICE_TYPE "Assignment4"
7 #define DEVICE_ID "Assignment4ID"
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/soniya/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;
```

Simulation

00:31.284 99%

ESP32

HC-SR04

VCC Trig Echo Gnd

Sending payload: {"Normal Distance":89.95}
Publish OK

81°F Cloudy

10:43 AM 16-11-2022

Verify your identity x IBM IoT-B3-3M5E (M x WhatsApp x esp32-dht22.ino x Use a screen rea x (43) Built-in Win x +

wokwi.com/projects/348458836956283474

WOKWI SAVE SHARE esp32-dht22.ino copy Docs SIGN UP

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

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30
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Simulation

00:26.406 101%

Publish OK

Sending payload: {"Normal Distance":89.95}

Publish OK

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Publish OK

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Sending payload: {"Normal Distance":89.95}

Publish OK

81°F Cloudy

ENG IN 10:43 AM 16-11-2022

IBM Watson IoT Platform

soniyaofficial2002@gmail.com
ID: kuuz2a

?

Browse

Action

Device Types

Interfaces

Add Device +

All Devices

Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Search by Device ID

Device Simulator ☐

IOI

	Device ID	Status	Device Type	Class ID	Date Added
>	<input type="checkbox"/> Assignment4ID	● Connected	Assignment4	Device	Nov 16, 2022 10:30 AM

Items per page 50 | 1-1 of 1 item

1 of 1 page

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