

ASSIGNMENT-4

WOKWI

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Docs M

sketch.ino diagram.json libraries.txt Library Manager

```
108
109 Serial.print("\n");
110 Serial.print("Sending payload: ");
111 Serial.println(payload);
112 if(client.publish(publishTopic, (char*) payload.c_str())) {
113   Serial.println("Warning crosses 110cm -- it automatically of the loop");
114   digitalWrite(led,HIGH);
115 }else {
116   Serial.println("Publish FAILED");
117 }
118
119
120
121
122 }
123 void callback(char* subscribeTopic, byte* payload, unsigned int payloadLength) {
124   Serial.print("callback invoked for topic:");
125   Serial.println(subscribeTopic);
126   for(int i=0; i<payloadLength; i++){
127     dist += (char)payload[i];
128   }
129   Serial.println("data:"+ data3);
130   if(data3=="lighton"){
131     Serial.println(data3);
132     digitalWrite(led,HIGH);
133   }
134   data3="";
135 }
```

Simulation

00:39.839 56%

HC-SR04

ESP32

ezcbzc.messaging.internetofthings.ibmcloud.com
IBM subscribe to cmd OK

Reconnecting MQTT client to
ezcbzc.messaging.internetofthings.ibmcloud.com
IBM subscribe to cmd OK

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(53) WhatsApp

Service Details - IBM Cloud

IBM Watson IoT Platform

sketch.ino - Wokwi Arduino and

ezcbzc.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

711619106013@smartinternz.com
ID: ezcbzc

Browse

Action

Device Types

Interfaces

Add Device

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
Data	{"Normal Distance":82.98}	json	a few seconds ago
Data	{"Normal Distance":82.94}	json	a few seconds ago

Items per page 50 | 1-1 of 1 item

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0 Simulations running

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Service Details - IBM Cloud

IBM Watson IoT Platform

sketch.ino - Wokwi Arduino and

ezcbzc.internetofthings.ibmcloud.com/dashboard/devices/browse

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IBM Watson IoT Platform

711619106013@smartinternz.com
ID: ezcbzc

Browse

Action

Device Types

Interfaces

Add Device

Browse Devices

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

Device ID	Status	Device Type	Class ID	Date Added
rewq	Connected	qwer	Device	Oct 31, 2022 12:32 PM

Items per page 50 | 1-1 of 1 item

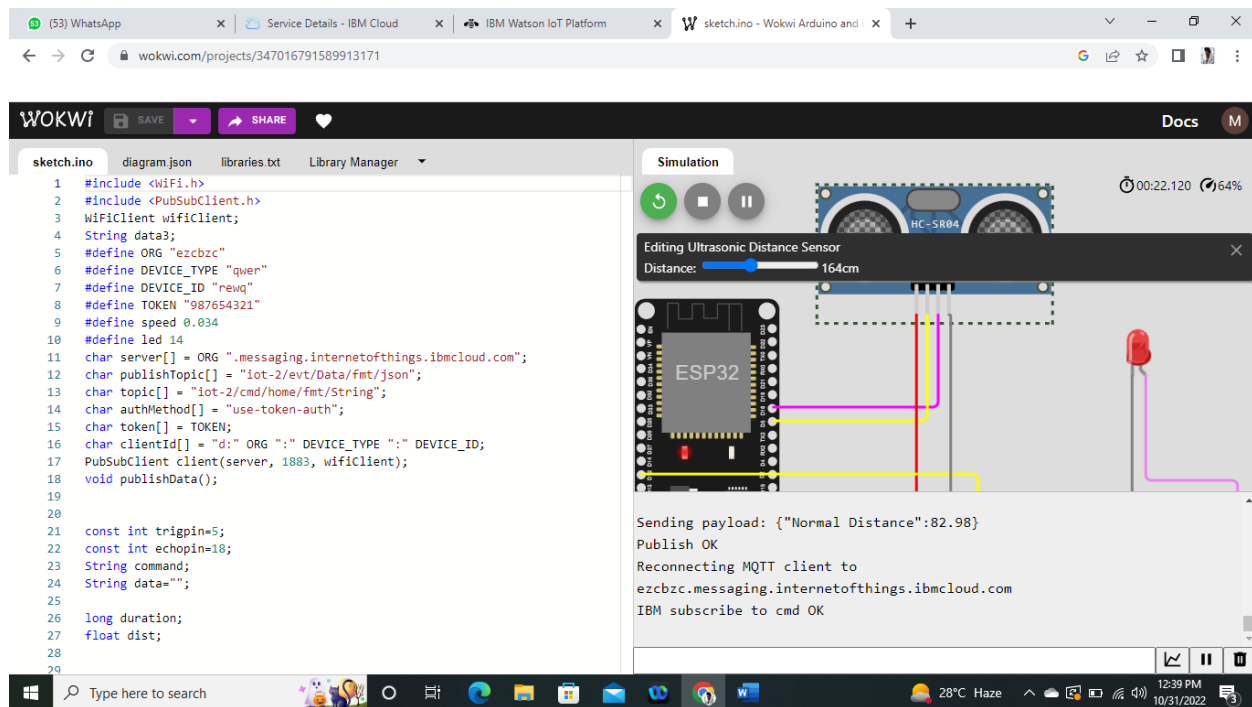
1 of 1 page

0 Simulations running

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Rain

12:35 PM
10/31/2022



WOKWI LINK:

<https://wokwi.com/projects/347016791589913171>