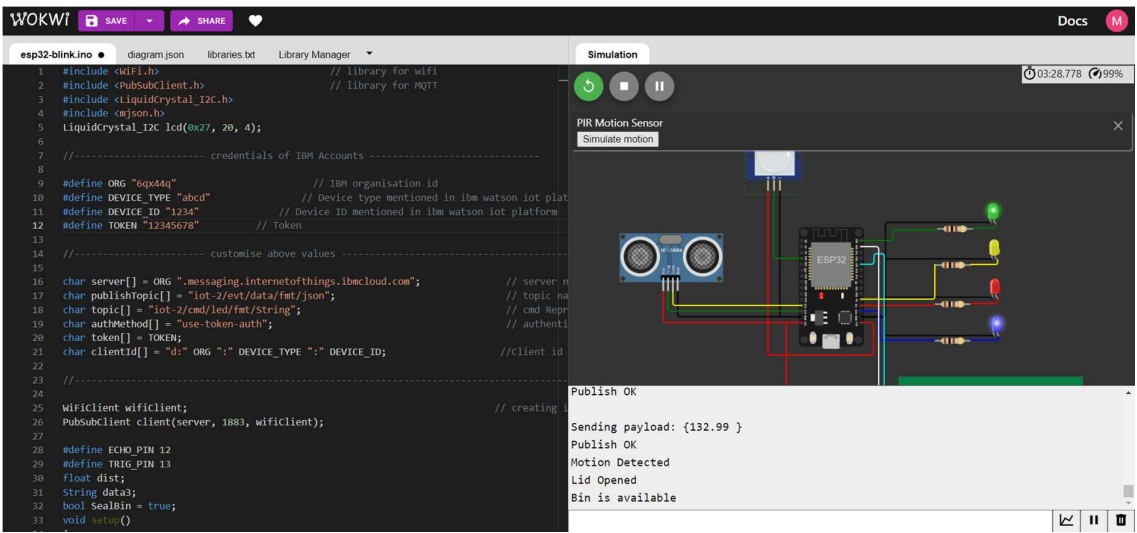
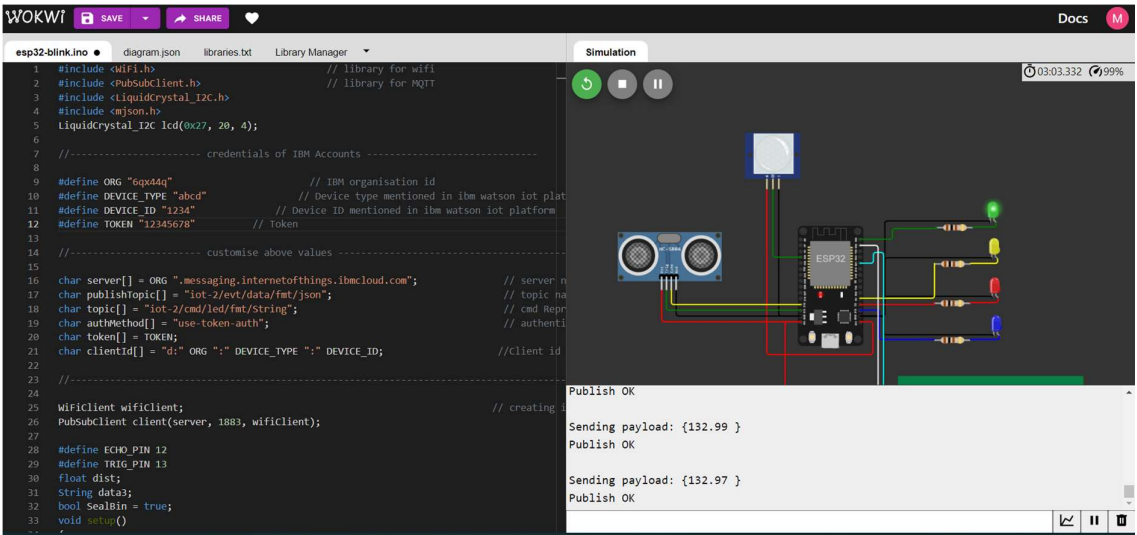


TEAM ID:PNTPT2022TMID21674

SPRINT 2 OUTPUT:



WOKWI

SAVE

SHARE

Docs

esp32-blink.ino

diagram.json

libraries.txt

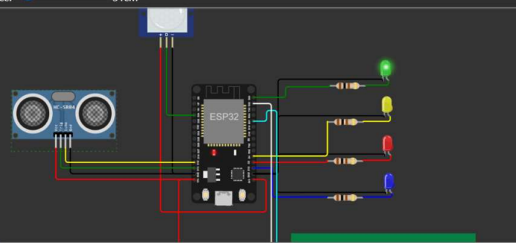
Library Manager

```
1 #include <WiFi.h> // library for wifi
2 #include <PubSubClient.h> // library for MQTT
3 #include <LiquidCrystal_I2C.h>
4 #include <json.h>
5 LiquidCrystal_I2C lcd(0x27, 20, 4);
6
7 //----- credentials of IBM Accounts -----
8
9 #define ORG "6qx44q" // IBM organisation id
10 #define DEVICE_TYPE "abcd" // Device type mentioned in ibm watson iot plat
11 #define DEVICE_ID "1234" // Device ID mentioned in ibm watson iot platform
12 #define TOKEN "12345678" // Token
13
14 //----- customise above values -----
15
16 char server[] = ORG ".messaging.internetofthings.ibmcloud.com"; // server n
17 char publishTopic[] = "iot-2/evt/data/fmt/json"; // topic na
18 char topic[] = "iot-2/cmd/led/fmt/String"; // cmd Repr
19 char authMethod[] = "use-token-auth"; // authenti
20 char token[] = TOKEN;
21 char clientId[] = "id:" ORG ":" DEVICE_TYPE ":" DEVICE_ID; //client id
22
23 //-----
24
25 WiFiClient wificlient; // creating
26 PubSubClient client(server, 1883, wificlient);
27
28 #define ECHO_PIN 12
29 #define TRIG_PIN 13
30 float dist;
31 String data3;
32 bool SealBin = true;
33 void setup()
```

Simulation

03:43.003 100%

Editing Ultrasonic Distance Sensor  
Distance: 31cm



Publish OK  
Sending payload: {"High\_Alert":30.99 }  
Publish OK  
Sending payload: {"High\_Alert":30.99 }  
Publish OK