20BCE10471 | VIT Bhopal Campus

Suresh Mahalingam Konar

Assignment: 2

In Wokwi connect push button and upload 0 and 1 to ibm cloud

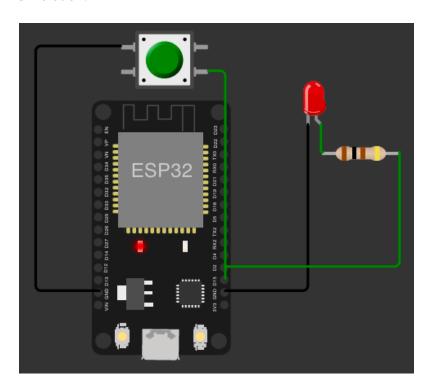
Implementation

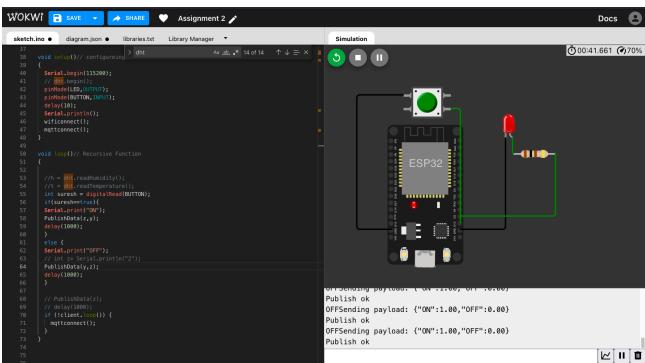
Code:

```
#include #i
```

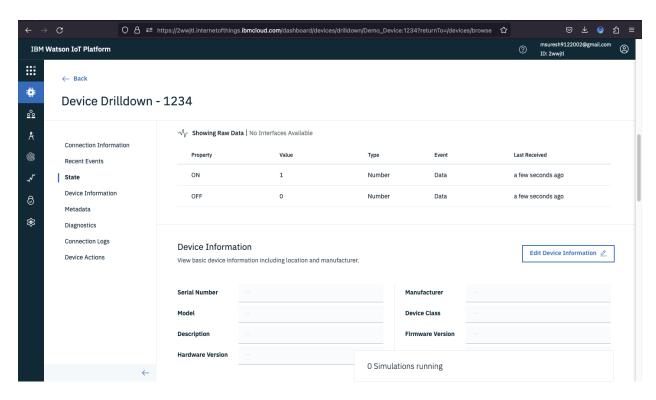
```
void setup()// configureing the ESP32
     {
       Serial.begin(115200);
41
        // dht.begin();
42
        pinMode(LED,OUTPUT);
       pinMode(BUTTON, INPUT);
43
44
       delay(10);
       Serial.println();
45
       wificonnect():
47
       mqttconnect();
     }
49
     void loop()// Recursive Function
51
     {
52
53
        //h = dht.readHumidity();
       //t = dht.readTemperature();
54
55
        int suresh = digitalRead(BUTTON);
        if(suresh==true){
       Serial.print("ON");
57
       PublishData(z,y);
       delay(1000);
59
61
       else {
62
       Serial.print("OFF");
63
       // int z= Serial.println("2");
64
       PublishData(y,z);
65
       delay(1000);
       }
67
       // PublishData(z);
       // delay(1000);
       if (!client.loop()) {
70
71
         mqttconnect();
72
        }
73
```

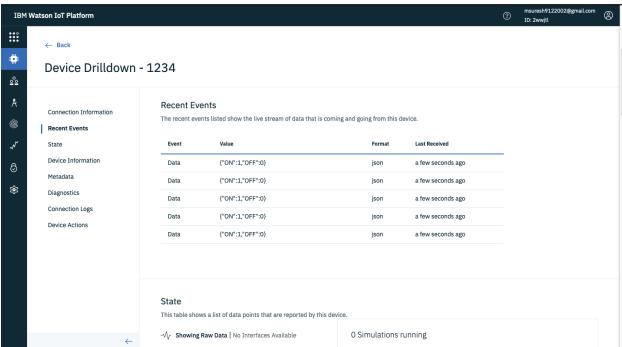
Simulation:





IBM Cloud Platform Data:





Wokwi Link

Assignemnt Open link : Link

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