Assignment -1

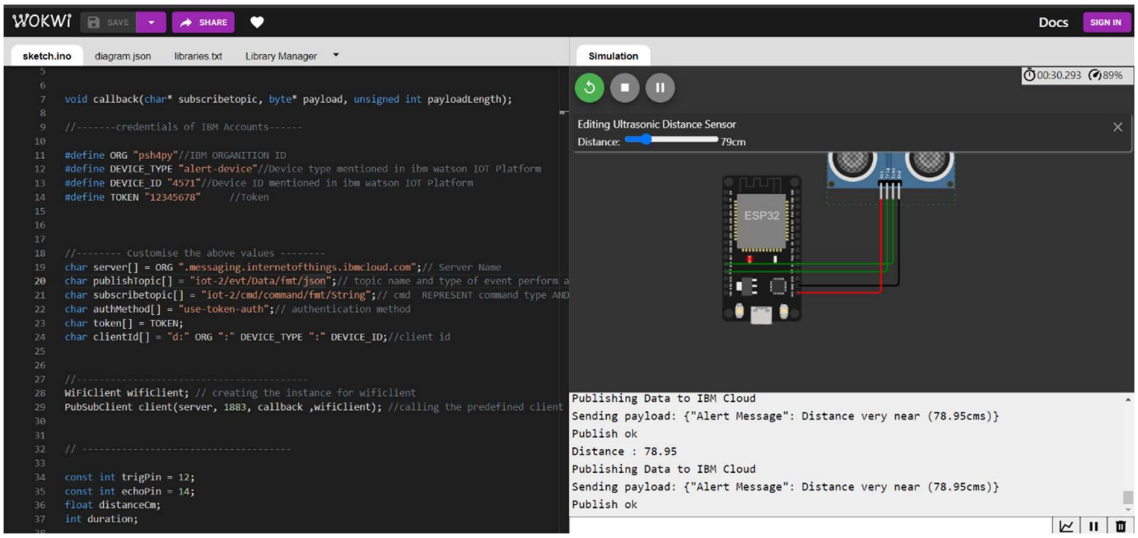
Assignment Date	15 October 2022
Student Name	R.V.Rohinth Ram
Student Roll Number	2019504571
Maximum Marks	2 Marks

Question:

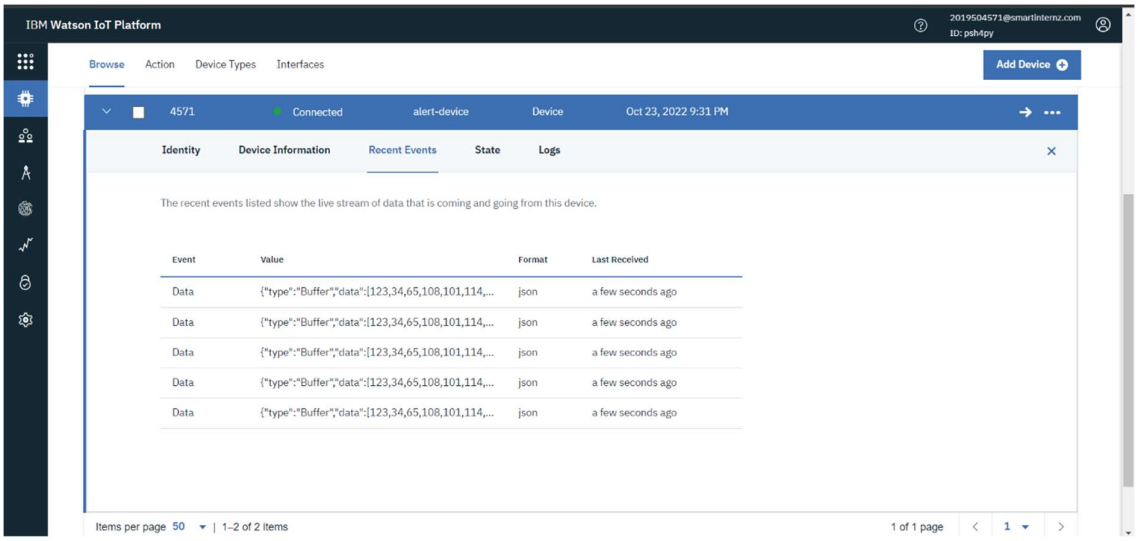
Write Code and connect in wokwi for ultrasonic sensor. Whenever distance is less than 100cms send “alert” to ibm cloud and display in device recent events

Wokwi Simulation

https://wokwi.com/projects/346105225235399251



IBM Cloud Screenshots



Event Payload


```
{
        "type": "Buffer",
        "data": [
                123,
                34,
                65,
                108,
                101,
                114,
                116,
                32,
                77,
                101,
                115,
                115,
                97,
                103,
                101,
                34,
                58,
                32,
                68,
                105,
                115,
                116,
                97,
                110,
                99,
                101,
```

32,
118,
101,
114,
121,
32,
110,
101,
97,
114,
32,
40,
55,
56,
46,
57,
53,
99,
109,
115,
41,
125
]
}

```
>>> l
[123, 34, 65, 108, 101, 114, 116, 32, 77, 101, 115, 115, 97, 103, 101, 34, 58, 32, 68, 105, 11
5, 116, 97, 110, 99, 101, 32, 118, 101, 114, 121, 32, 110, 101, 97, 114, 32, 40, 55, 56, 46, 5
7, 53, 99, 109, 115, 41, 125]
>>> for i in l:
        print(end=chr(i))


{"Alert Message": Distance very near (78.95cms)}
>>>
```