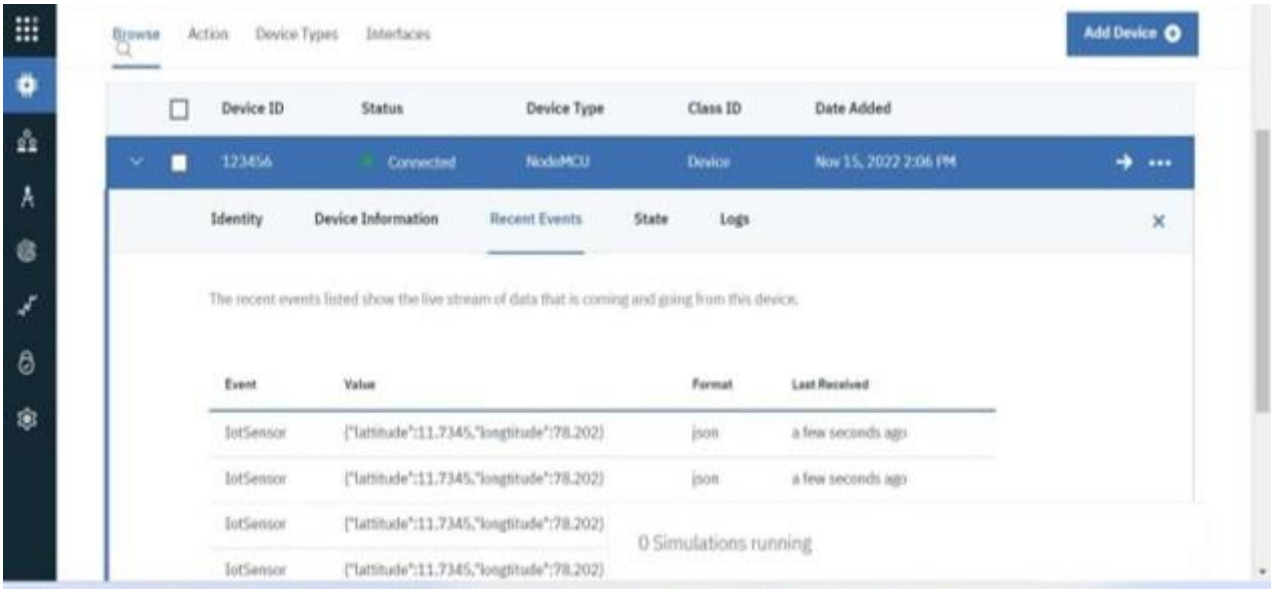
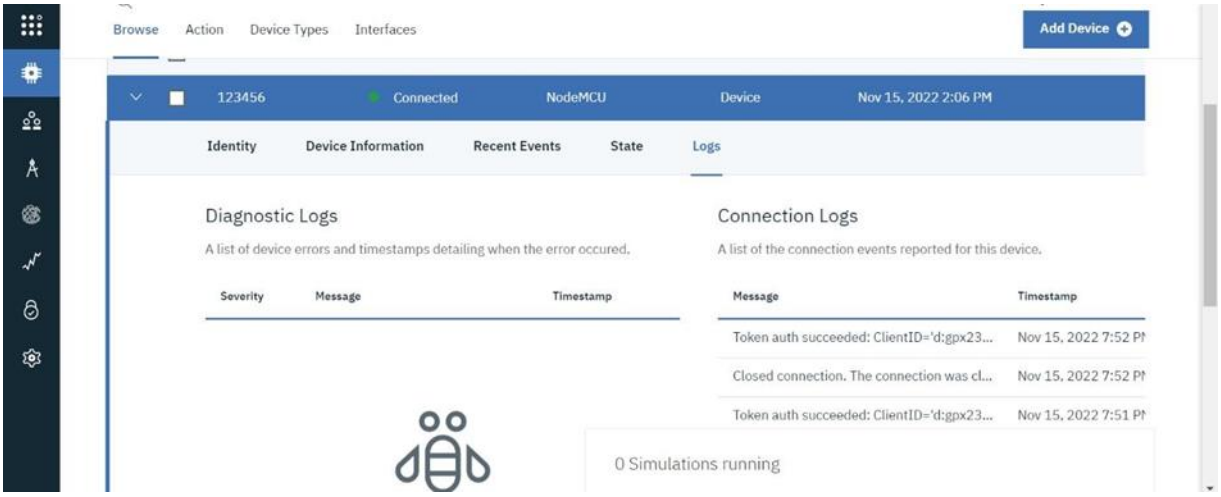
PUBLISH DATA TO IBM CLOUD

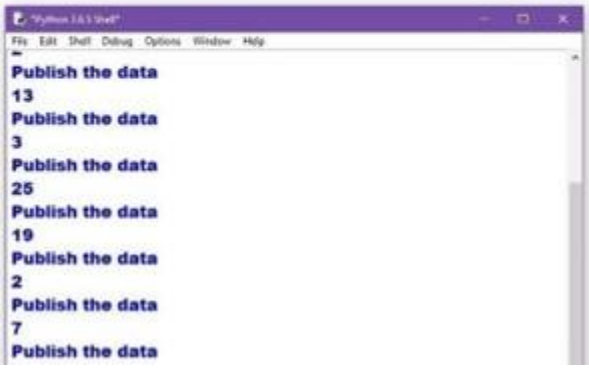




```
import paho.mqtt.client as paho
def on_subcribe(client,userdata,mid,grated_qos):
   print("subscriber:" + str(mid)+str(granted_qos))

def on_message(client,userdata,msg):
   print(msg.topic + " " + str(msg.qos) + " " + str(msg.payload))

client = paho.Client()
client.on_subscribe = on_subscribe
client.on_message = on_message
client.connect('broker.mqttdashboard.com', 1883)
client.subscribe('iottopic',qos=1)
client.loop_forever()
```



Program :

#IBM Watson IOT Platform

#pip install wiotp-sdk

```
import
wiotp.sdk
.device
import
time
import random
myConfig = { "identity":
{
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
       "deviceId":"12345" },
       "auth": { "token": "12345678" }
    }
    def myCommandCallback(cmd):
        print("Message received from IBM IoT Platform: %s" %
        cmd.data['command'])m=cmd.data['command']

    client = wiotp.sdk.device.DeviceClient(config=myConfig,
    logHandlers=None)client.connect()

    while True:
       temp=random.randint(-20,125)
       hum=random.randint(0,100)
       myData={'temperature':temp, 'humidity':hum}
       client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
    onPublish=None) print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback time.sleep(2) client.disconnect()
```