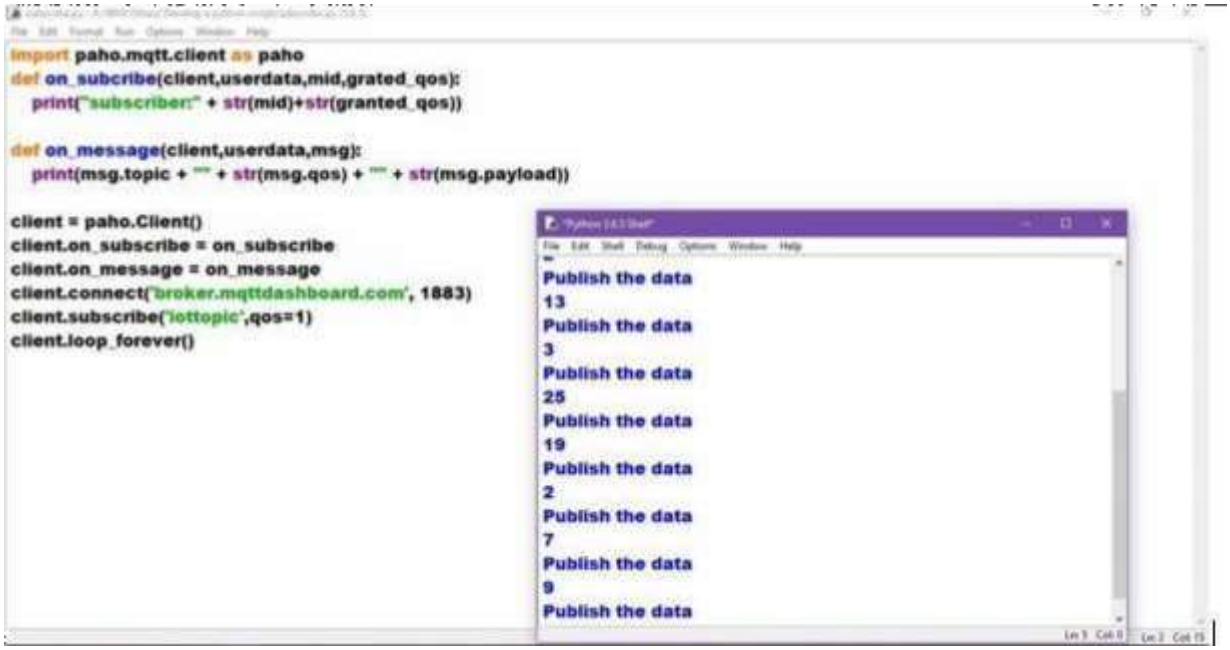
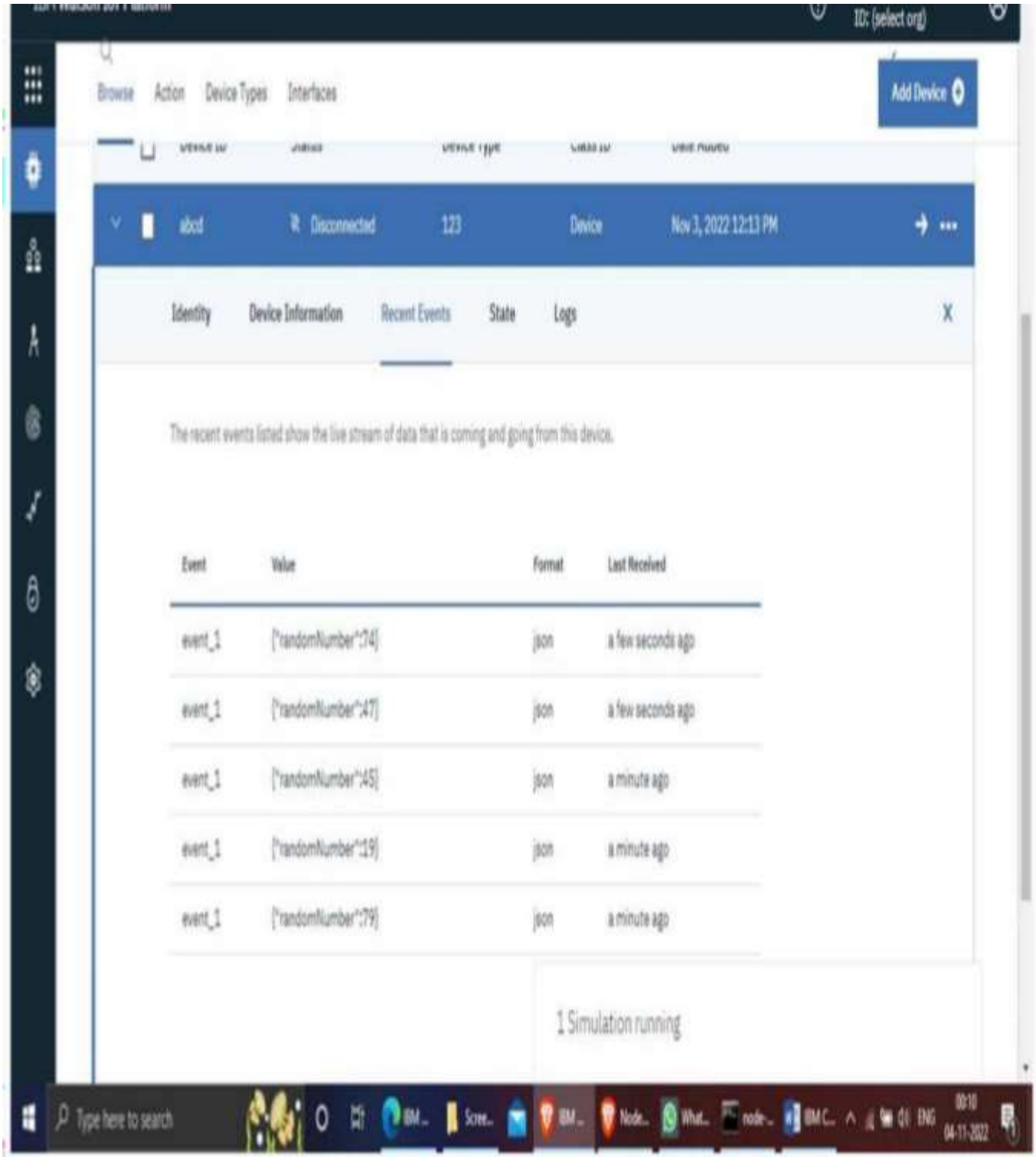
Develop the Python Script

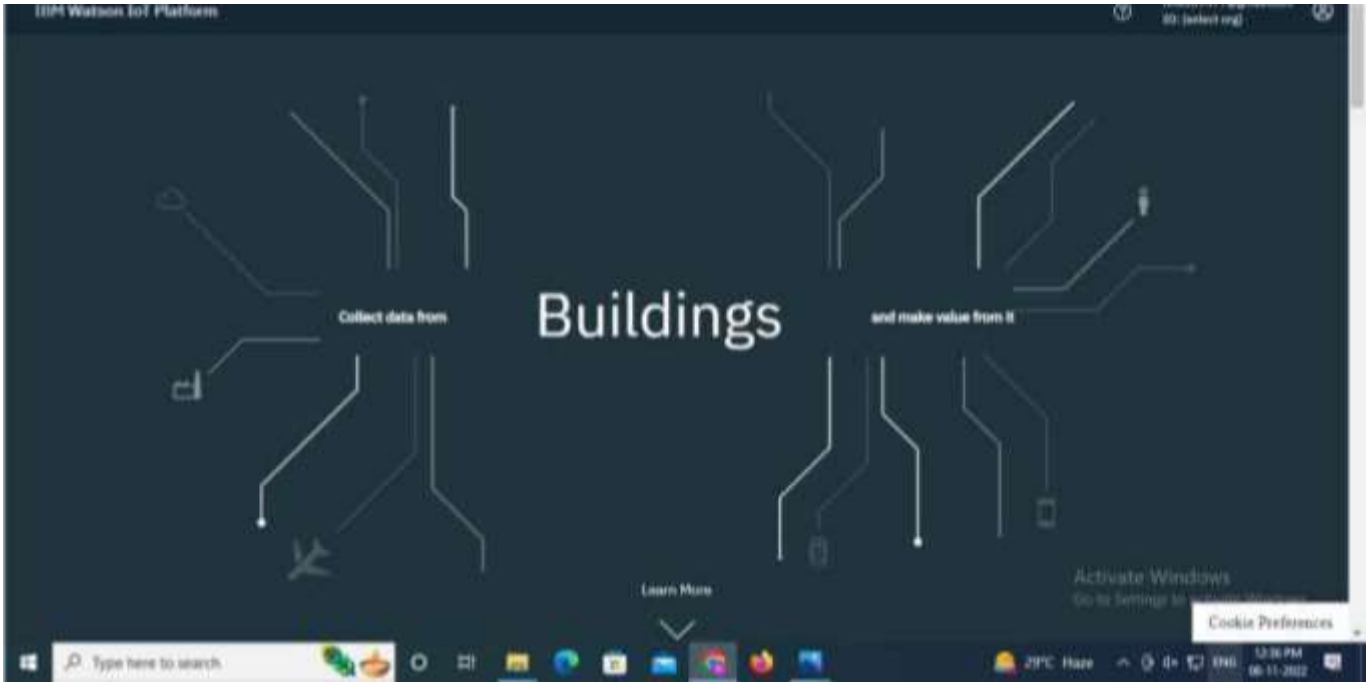
(Publish data to IBM cloud)

Date	08 November 2022
Team ID	PNT2022TMID25436
Project Name	Industry-specific intelligent fire management system

Industry-specific intelligent fire management system


import paho.mqtt.client as paho
def on_subcribe(client,userdata,mid,grated_qos):
print("subscribed:" + 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()
Publish the data
13
Publish the data
3
Publish the data
25
Publish the data
19
Publish the data
2
Publish the data
7
Publish the data
9
Publish the data


ID: (select org)
Browse
Action
Device Types
Interfaces
Add Device
abcd
Disconnected
123
Device
Nov 3, 2022 12:13 PM
Identity
Device Information
Recent Events
State
Logs
X
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
event_1
{"randomNumber":74}
json
a few seconds ago
event_1
{"randomNumber":47}
json
a few seconds ago
event_1
{"randomNumber":45}
json
a minute ago
event_1
{"randomNumber":19}
json
a minute ago
event_1
{"randomNumber":79}
json
a minute ago
1 Simulation running
Type here to search
ENG
00:10
04-11-2022



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()
```