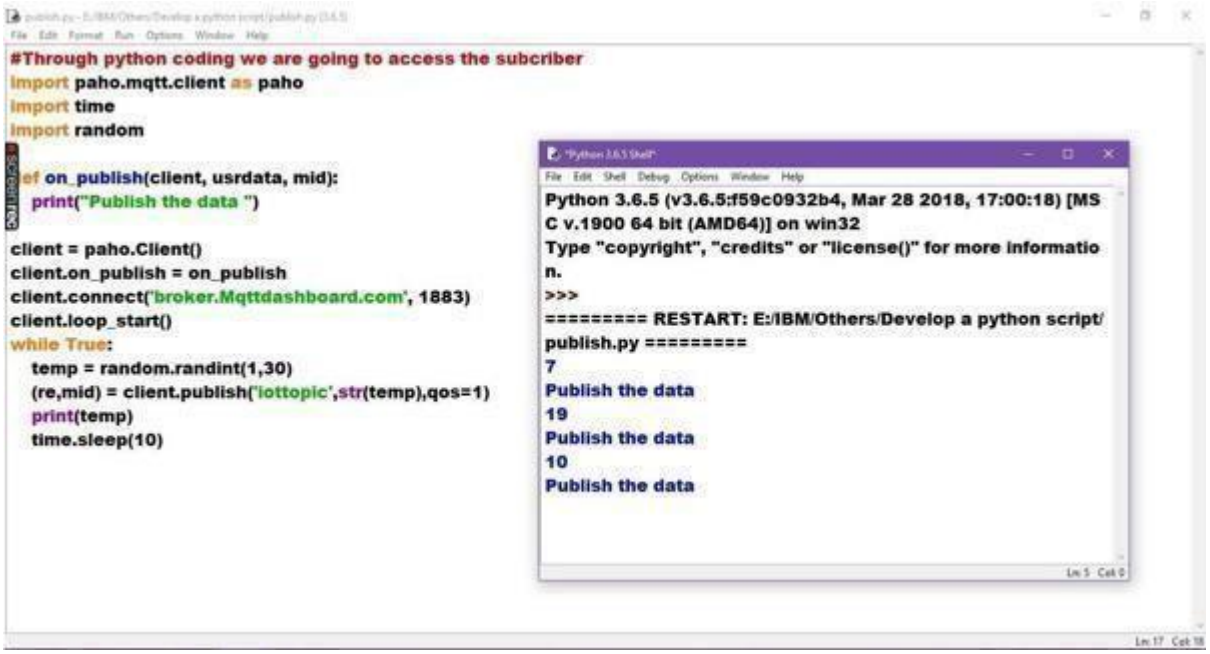
Develop the Python Script

(Publish data to IBM cloud)

Team ID	PNT2022TMID53943
Project Name	Industry-specific intelligent fire management system

Industry-specific intelligent fire management system

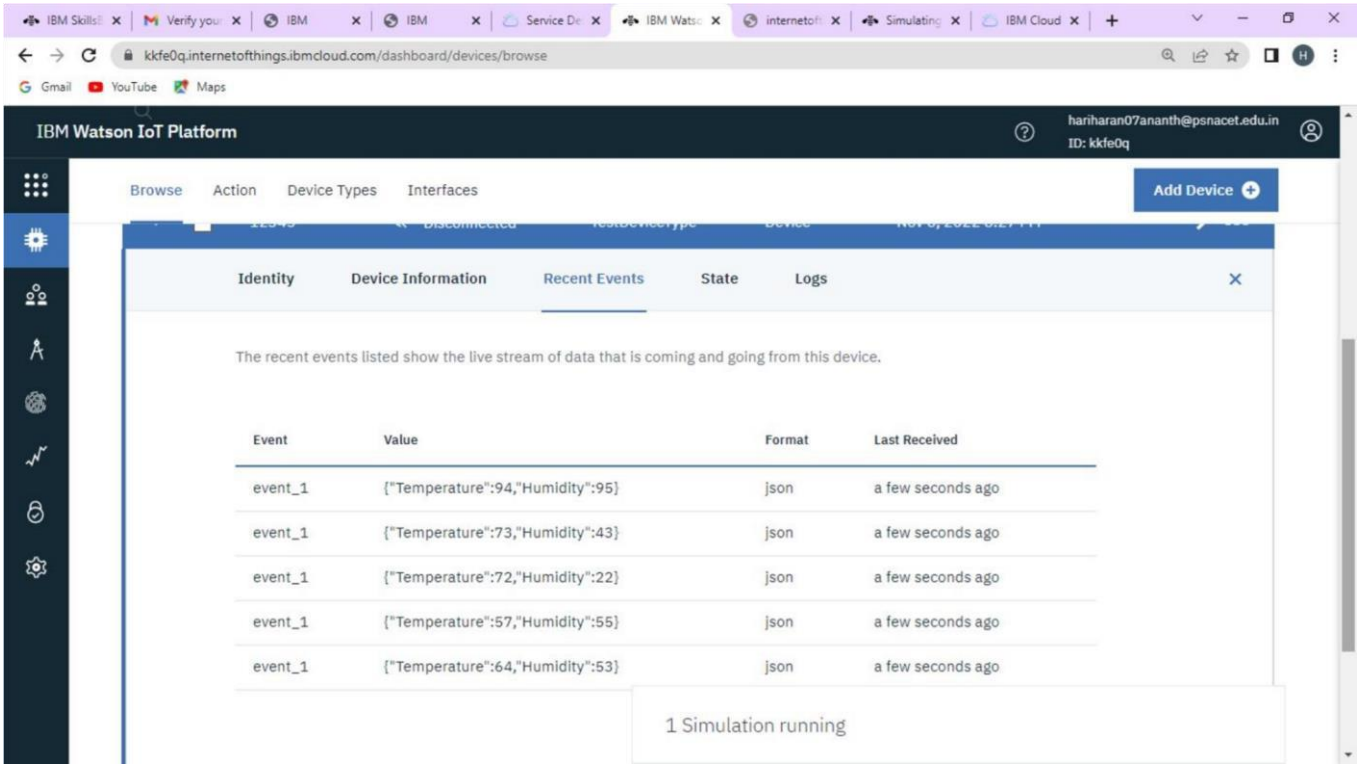


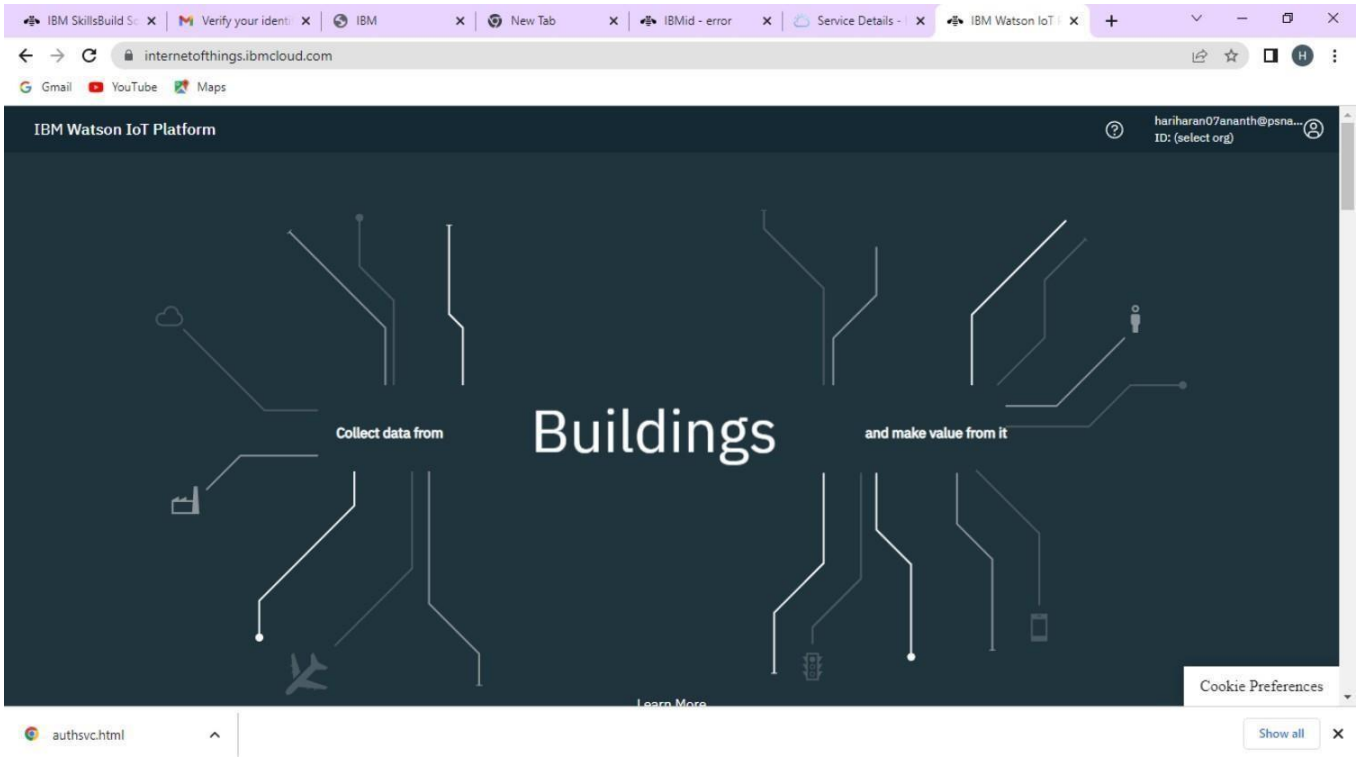
```
import paho.mqtt.client as paho
def on_subcribe(client,userdata,mid,grated_qos):
    print("subscriber:" + str(mid)+str(granted_qos))

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()
```

```
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
```





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()
```