## **DEVELOP THE PYTHON SCRIPT**

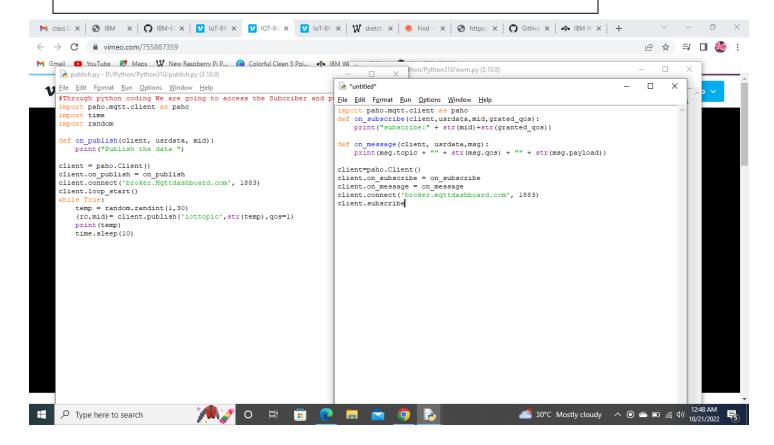
## **Publish data to the IBM Cloud**

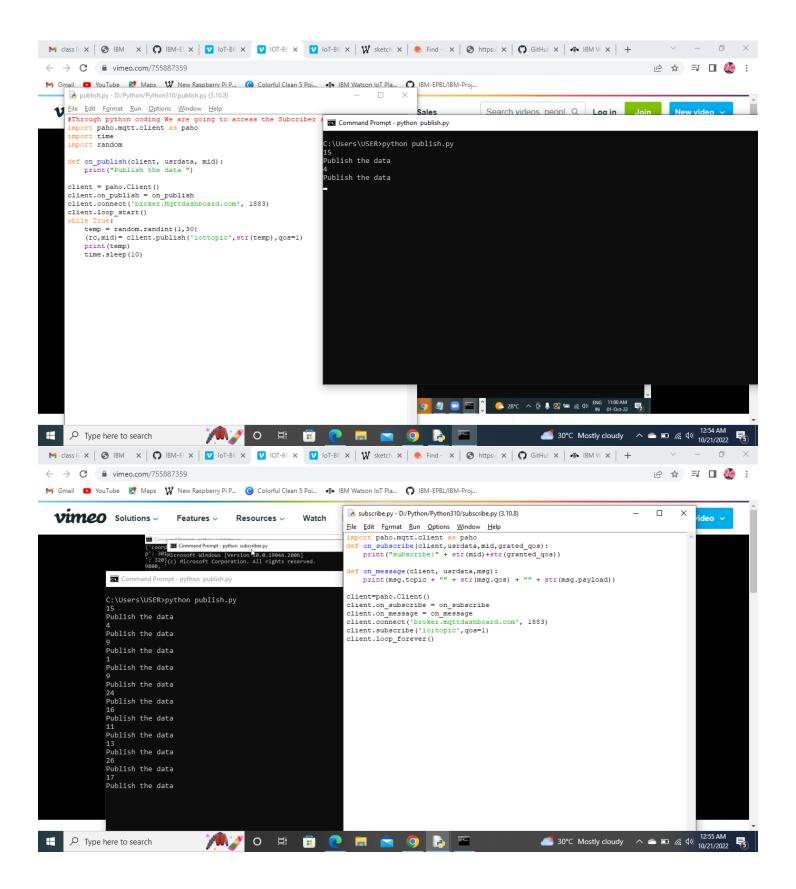
Date: 21 October 2022

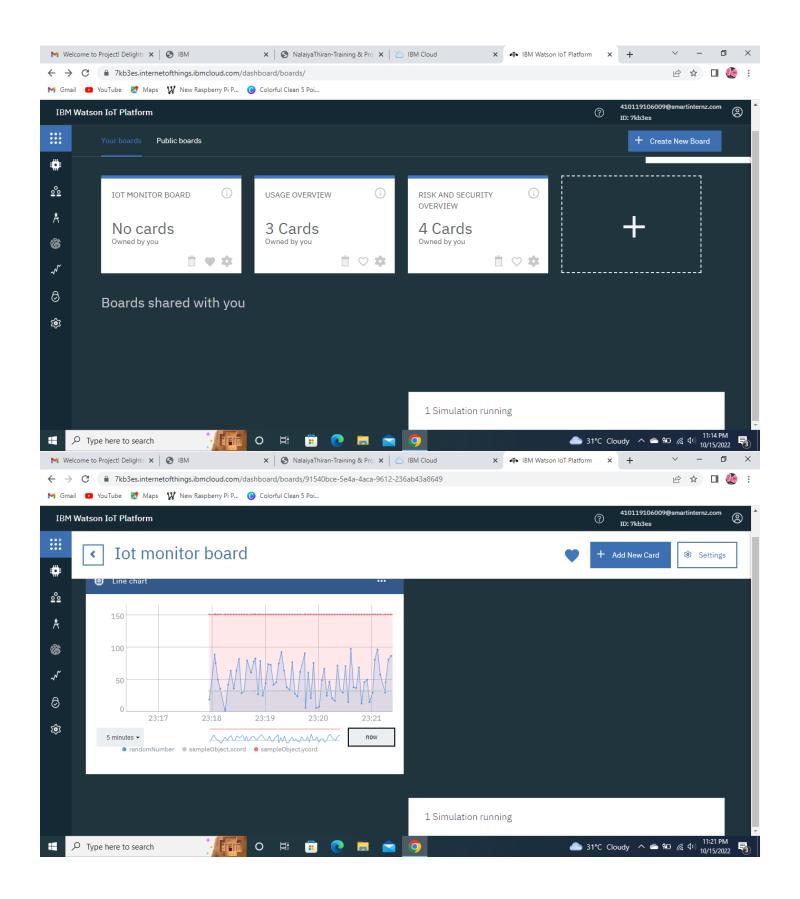
Team ID: PNT2022TMID07534

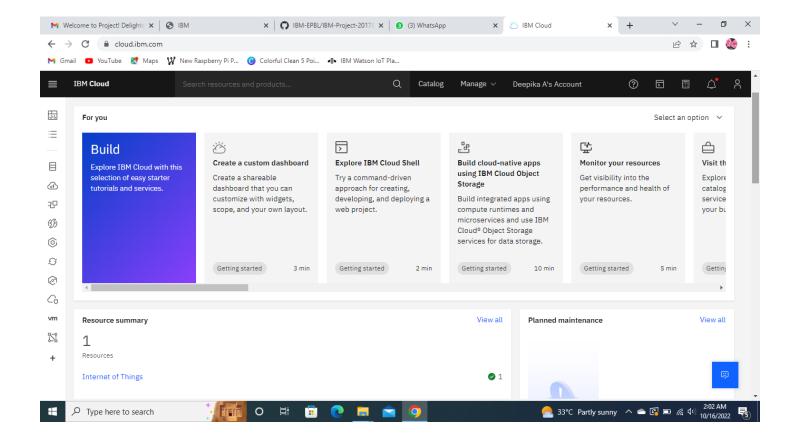
Project Name - SIGNS WITH SMART CONNECTIVITY FOR BETTER ROAD SAFETY

To make a Publisher and Subscriber in the process of Python and IBM cloud









## **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()
```