Delivery of Sprint -2

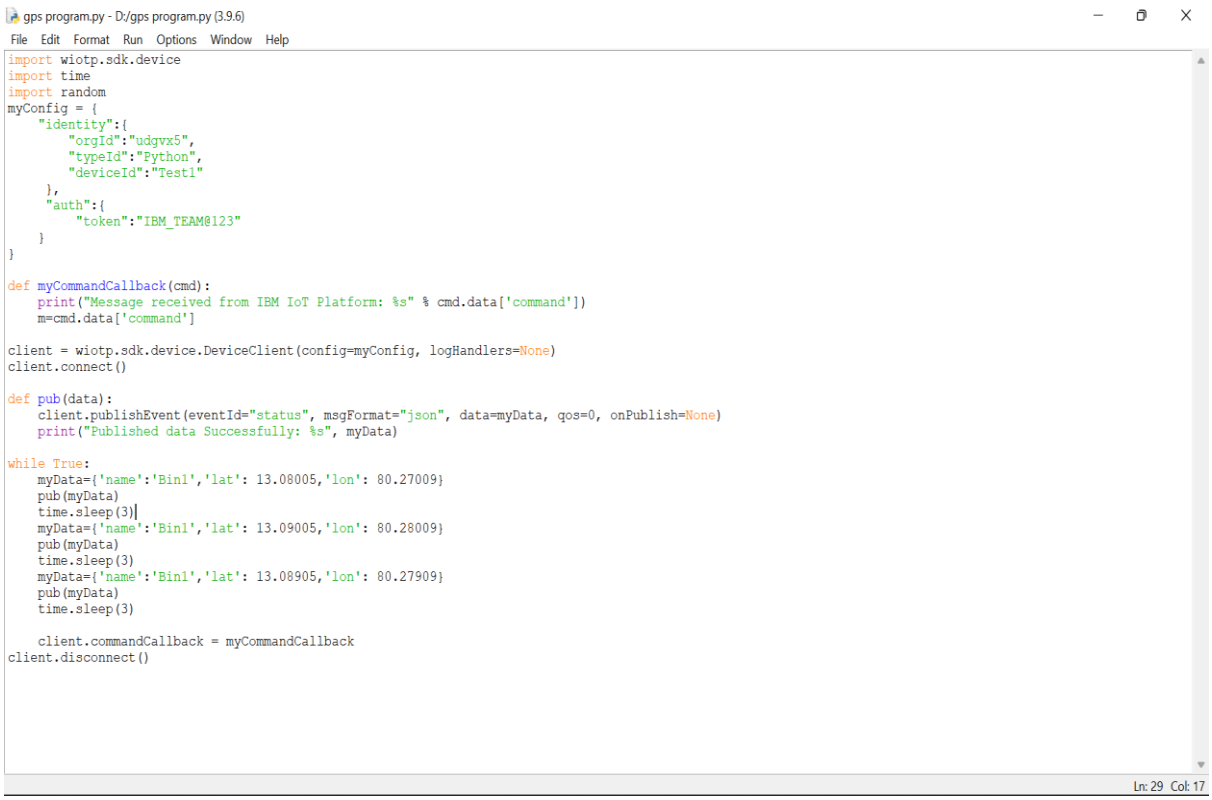
Date	15 November 2022
Team ID	PNT2022TMID42279
Project Title	Project- Smart Waste Management System in Metropolitan Cities
Maximum Marks	2

Code:

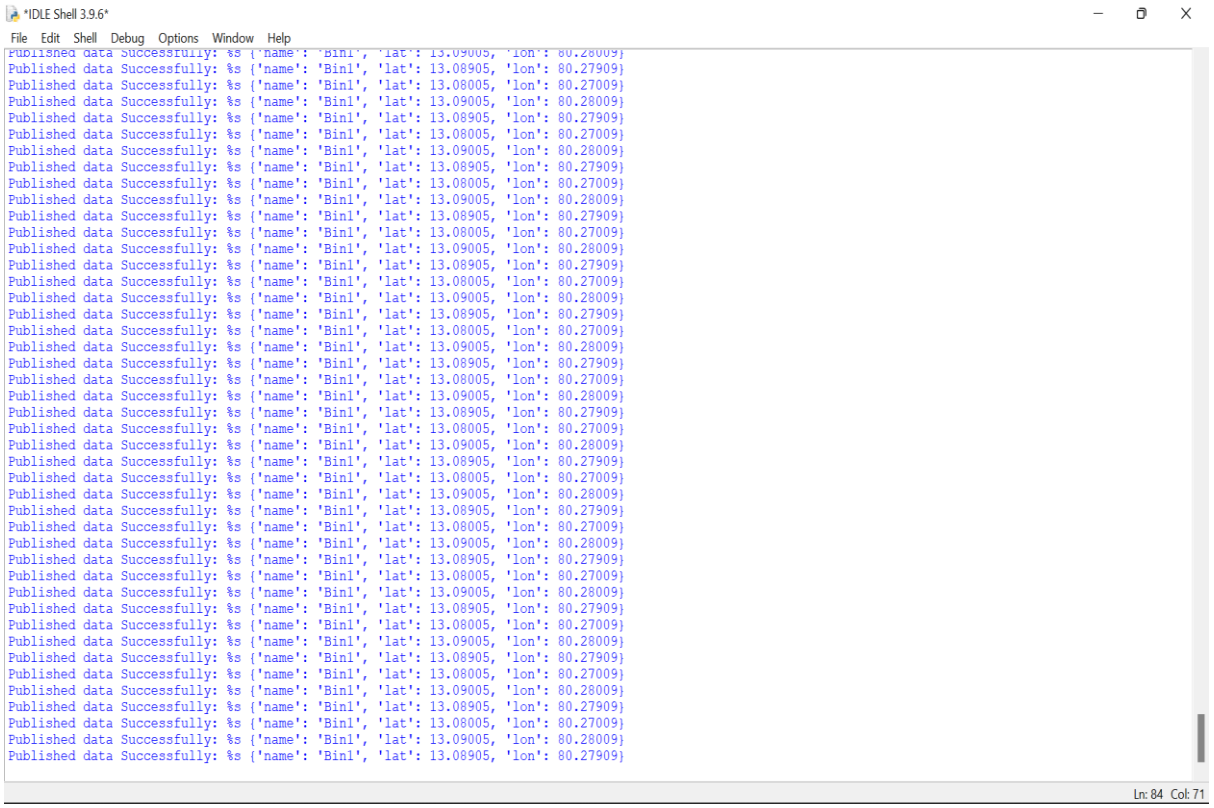
```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity":{
        "orgId":"udgvx5",
        "typeId":"Python",
        "deviceId":"Test1"
     },
     "auth":{
         "token":"IBM_TEAM@123"
    }
}

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()

def pub(data):
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)
    print("Published data Successfully: %s", myData)
```

```
while True:
    myData={'name':'Bin1','lat': 13.08005,'lon': 80.27009}
    pub(myData)
    time.sleep(3)
    myData={'name':'Bin1','lat': 13.09005,'lon': 80.28009}
    pub(myData)
    time.sleep(3)
    myData={'name':'Bin1','lat': 13.08905,'lon': 80.27909}
    pub(myData)
    time.sleep(3)


    client.commandCallback = myCommandCallback
client.disconnect()
```

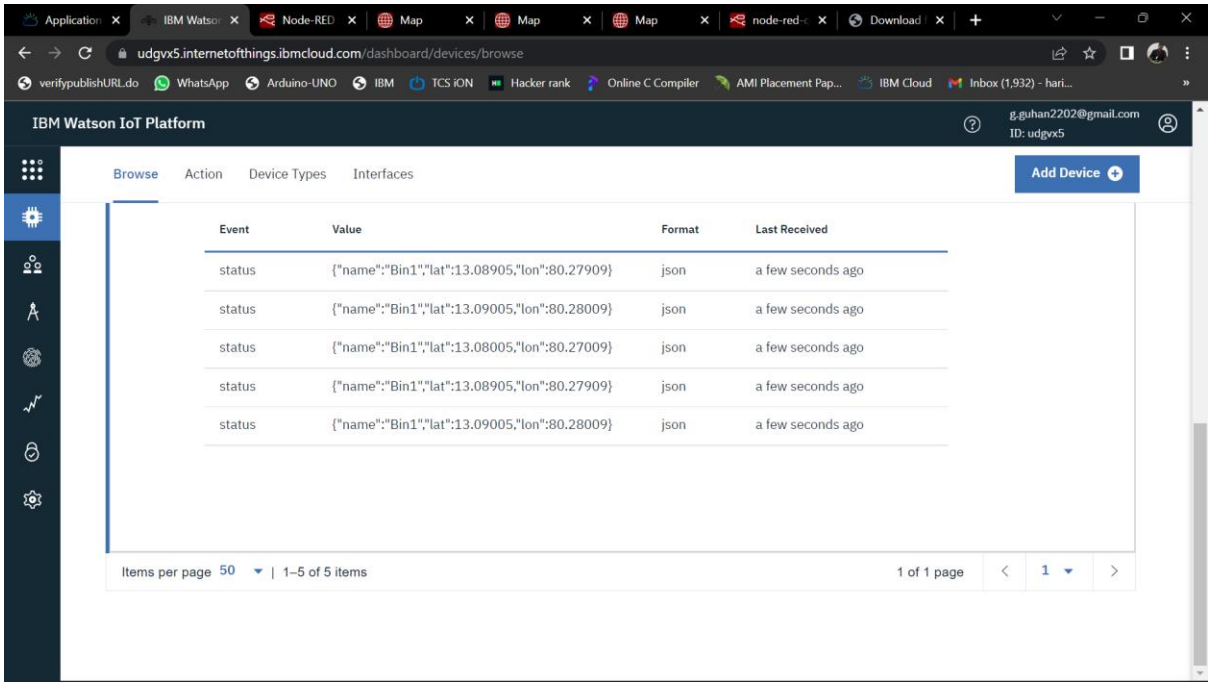
Python Code:



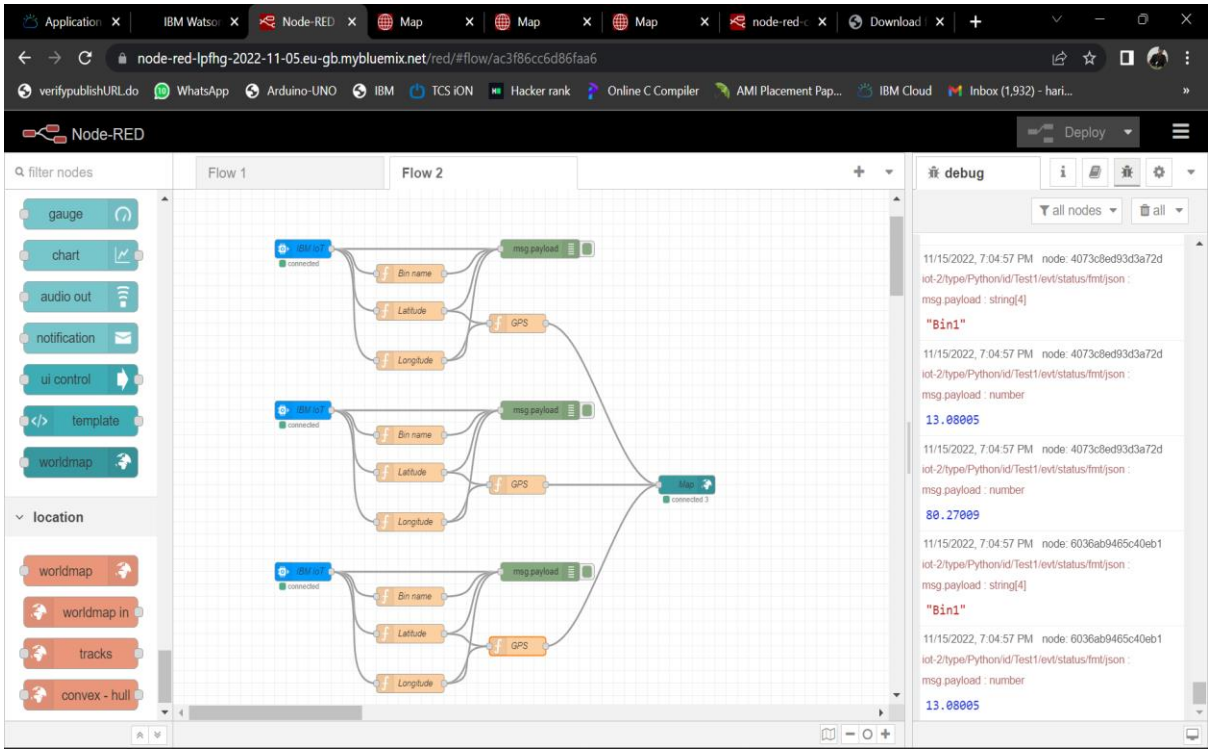
Python Output:



IBM Watson Output:



NodeRed Flow Diagram:



Web UI: