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":{
     "orgld": "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:

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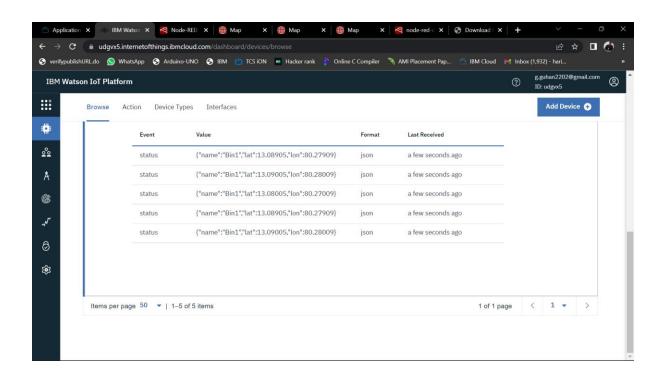
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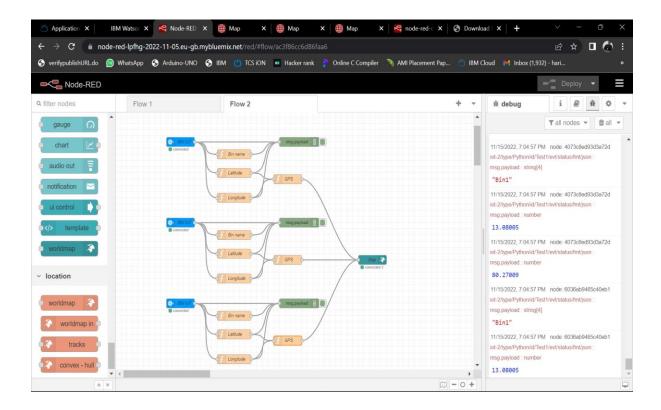
Python Output:

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IBM Watson Output:



NodeRed Flow Diagram:



Web UI:

