SPRINT 1

Date	27 October 2022
Team ID	PNT2022TMID43127
Project Name	Smart Waste Management System for Metropolitan
	Cities
Story Point	20

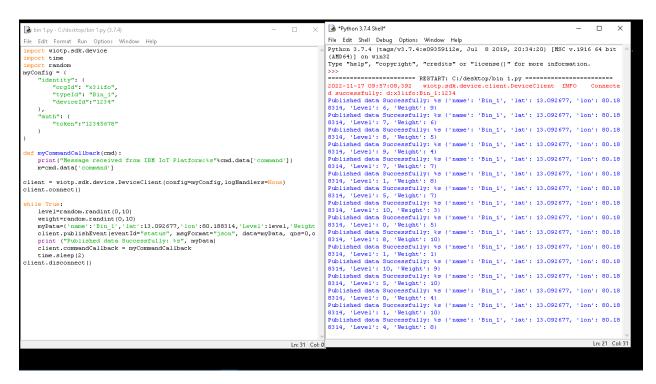
Python code (To Connect IBM Watson)

BIN 1:

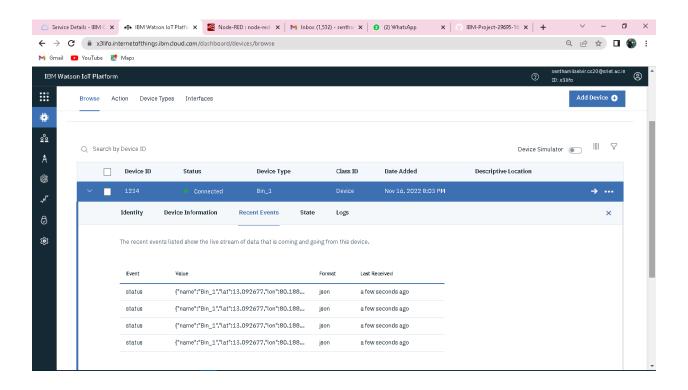
```
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "x3lifo",
    "typeId": "Bin_1",
    "deviceId":"1234"
  },
  "auth": {
    "token":"12345678"
  }
}
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform:%s"%cmd.data['command'])
  m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
```

```
client.connect()
while True:
    level=random.randint(0,10)
    weight=random.randint(0,10)
    myData={'name':'Bin_1','lat':13.092677,'lon':80.188314,'Level':level,'Weight':weight }
    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()
```

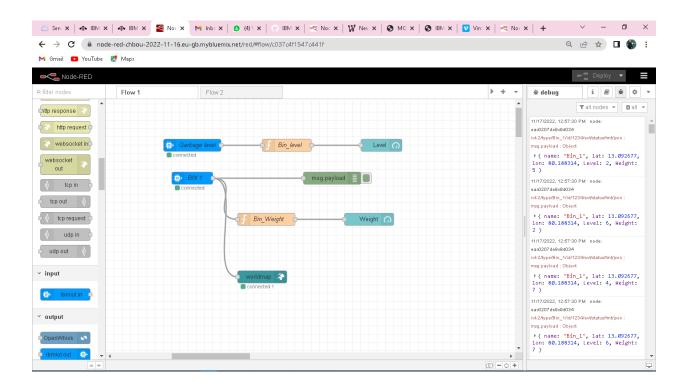
Output in python IDLE:



IBM Watson IOT platform:



Node Red platform:



Output in Node Red:

