SPRINT 3

Date	10 November 2022
Team ID	PNT2022TMID43127
Project Name	Smart Waste Management System for Metropolitan Cities
Story Point	20

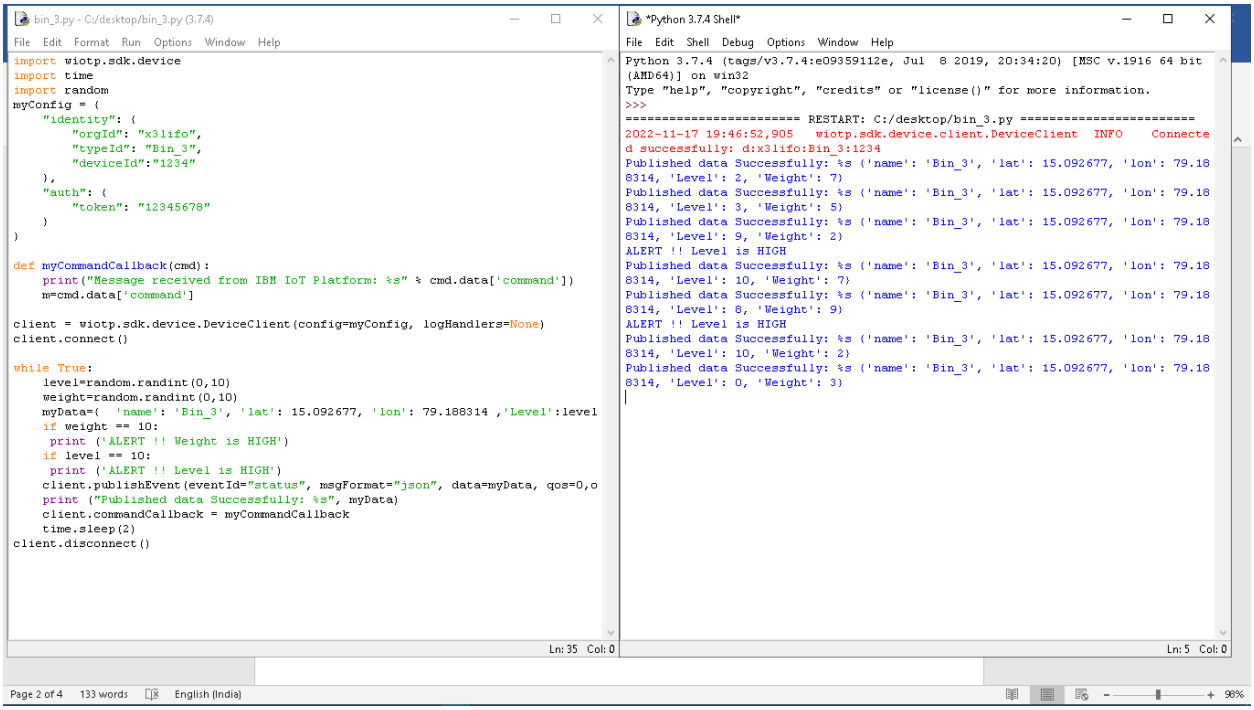
Python code (To Connect IBM Watson)

BIN 3:

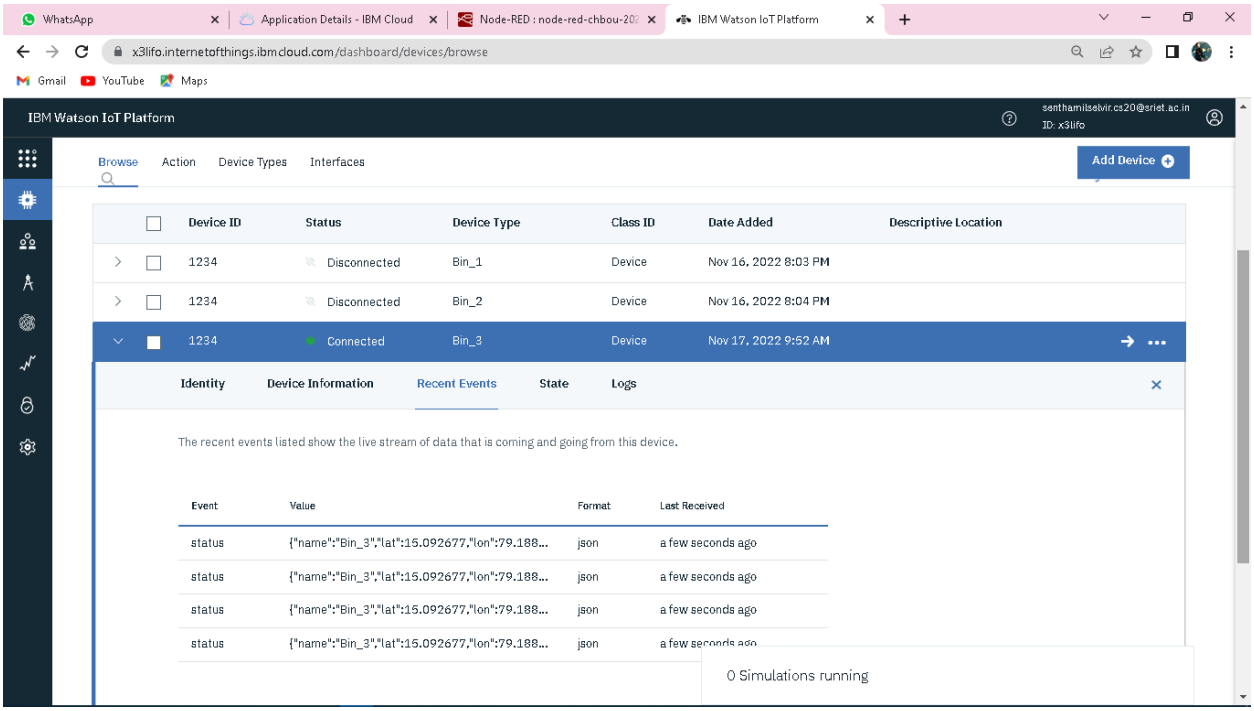
```
import wiotp.sdk.device
import time
import random
myConfig = {
   "identity": {
      "orgId": "x3lifo",
      "typeId": "Bin_3",
      "deviceId":"1234"
   },
   "auth": {
      "token": "12345678"
   }
}


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_3', 'lat': 15.092677, 'lon': 79.188314 ,'Level':level, 'Weight':weight  }
    if weight == 10:
     print ('ALERT !! Weight is HIGH')
    if level == 10:
     print ('ALERT !! Level is HIGH')
    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()
```

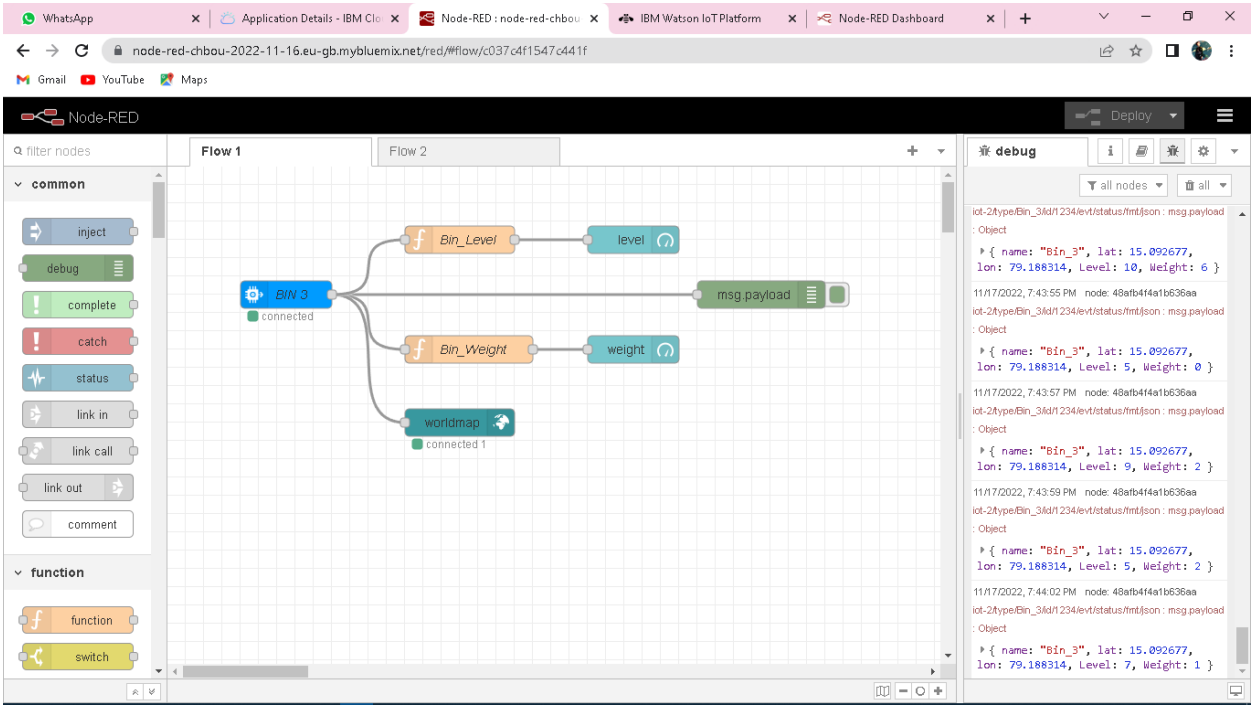
Output in python IDLE:



IBM Watson IOT platform:



Node Red platform:



Output in Node Red: