#### **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:**

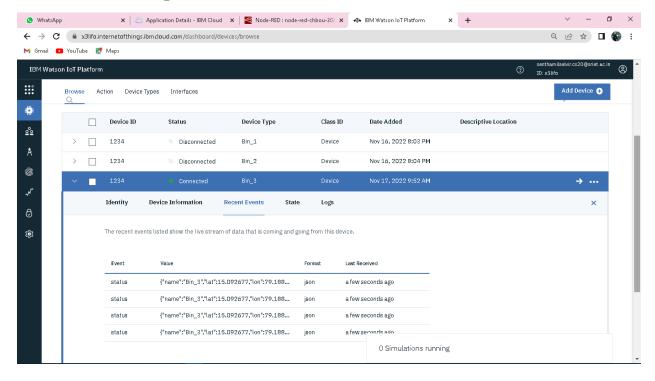
```
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "x3lifo",
    "typeId": "Bin_3",
    "deviceId":"1234"
  },
  "auth": {
    "token": "12345678"
  }
}
def myCommandCallback(cmd):
  print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
  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()
```

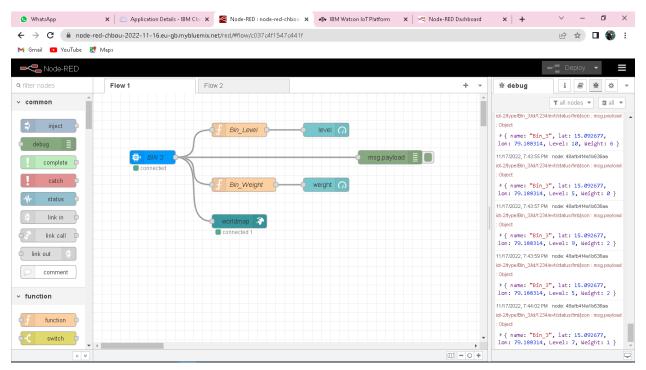
#### **Output in python IDLE:**

```
bin_3.py - C:/desktop/bin_3.py (3.7.4)
                                                                                                                                              👍 *Python 3.7.4 Shell*
                                                                                                                                               File Edit Shell Debug Options Window Help
  File Edit Format Run Options Window Help
Import wiotp.sdk.device
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import random
myConfig = (
    "identity": (
    "orgid": "x3lifo",
    "typeId": "Bin 3",
    "deviceId": "1234"
),
                                                                                                                                               Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
                                                                                                                                             ),
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               "token": "12345678"
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```

## IBM Watson IOT platform:



## **Node Red platform:**



# **Output in Node Red:**

