Python Source Code

Team ID	PNT2022TMID50923
Project Name	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITIAN CITIES

Source Code

```python
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

    "identity": {

        "orgId": "oonztp",

        "typeId": "Smart_Waste",

        "deviceId":"12345"

    },

    "auth": {

        "token": "rZgABoZEoxK!U3cWJg"

        }

}


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:

    ult_sen=random.randint(0,200)
```

```python
        weight=random.randint(0,100)

        myData={'Detected value is':ult_sen, 'Weight Percentage in bin is':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()
```