

PROJECT TITLE	SMART WASTE MANAGEMENT SYSTEM FOR METROPOLITAN CITIES
TEAM ID	PNT2022TMID29275

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ibm.py - C:\Users\siva\Desktop\ibm.py (3.7.9)
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import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "059io2",
        "typeId": "smartwastemanagement",
        "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:
        latitude=random.uniform(27.2046,125.25)
        longitude=random.uniform(77.4977,100.1526)
        binlevel=random.randint(10,100)
        if binlevel >= 90:
            myData={'latitude':latitude, 'longitude':longitude, 'binlevel':binlevel}
            client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
                               onPublish=None)
            ##print("Published data Successfully: %s", myData)
            print("!!|BIN IS FULL!! ",myData)
            client.commandCallback = myCommandCallback
            time.sleep(4)
        else :
            print("BIN IS IN NORMAL LEVEL")
            time.sleep(4)
    client.disconnect()

```

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Python 3.7.9 Shell
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Python 3.7.9 (tags/v3.7.9:13c94747c7, Aug 17 2020, 16:30:00) [MSC v.1900 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\siva\Desktop\ibm.py =====
2022-11-11 13:22:13,269 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:059io2:smartwastemanagement:1234
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
!!!BIN IS FULL!!! {'latitude': 72.4783972423038, 'longitude': 79.43907797171421, 'binlevel': 95}
!!!BIN IS FULL!!! {'latitude': 120.80255571441819, 'longitude': 82.06353621918947, 'binlevel': 96}
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
BIN IS IN NORMAL LEVEL
```

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