

PYTHON CODE

Team ID	PNT2022TMID03066
Project Name	Smart Waste Management System for Metropolitan Cities

```
#IBM Watson IOT
Platform #pip install
wiotp-sdk import
wiotp.sdk.device import
time import random
myConfig = {
    "identity": {
        "orgId": "hj5fmy",
        "typeId": "NodeMCU",
        "deviceId":"12345"
    },
    "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:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
```

```
myData={'temperature':temp, 'humidity':hum}
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()
```