

PYTHON CODE:

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "fa4qjp",
```

```
        "typeId": "123",
```

```
        "deviceId": "1234567"
```

```
    },
```

```
    "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(2)
else :
    print("BIN IS IN NORMAL LEVEL")

    time.sleep(2)

client.disconnect()
```