

**DEVELOPE A PYTHON  
SCRIPT**

Date	18 November 2022
Team ID	PNT2022TMID36194
Project Name	Gas leakage monitoring and alerting system

**#IBM Watson IOT Platform**

**#pip install wiotp-sdk**

**import wiotp.sdk.device**

**import time**

**import random**

**myConfig = {**

**"identity": {**

**"orgId": "9q9raj",**

**"typeId": "manikandan",**

**"deviceId": "6009"**

**},**

**"auth": {**

**"token": " a-9q9raj-alnlrmedqm "**

**}**

**}**

**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()
```