

DEVELOP THE PYTHON CODE

DATE	NOV 10 TH 2022
TEAM ID	PTN2022TMID21083
TOPIC	GAS LEAKAGE MONITORING AND DETECTION FOR INDUSTRIES

SOURCE CODE:

```
import random myConfig = {
"identity": {
"orgId": "mr8rsq ",
"typeId": "123 ",
"deviceId":"123456"
},
"auth": {
"token": "nakshatra@09"
}
}

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:
```

```
gas=random.randint(0,100)
```

```
temp=random.randint(0,100) hum=random.randint(0,100)
```

```
pre=random.randint(0,100) myData={'Hazardous Gas':gas,
```

```
'Temperature':temp, 'Humidity':hum,
```

```
'Pressure':pre } 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()
```