Python Final Code

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Project	Gas Leakage Monitoring and Alerting System For Industries
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PYTHON CODE:

```python
#IBM Watson IOT Platform
#pip install wiotp-sdk

import wiotp.sdk.device
import time
import random myConfig = { "identity": { "orgId": "u0b4fr", "typeId":
"TestdriveDevice", "deviceId":"TestdriveDevice_1" },"auth": { "token":
"8300113450" } }
def myCommandCallback(cmd):
    print("Message received : %s"%cmd.data['command'])
        m=cmd.data['command']
        if(m=="light on"):
            print("Lights on")
        else:
            print("Lights Off")
client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()
while True:
    temp=random.randint(-20,125)
        hum=random.randint(0,100)
        gas=random.randint(0,100)
        myData={'temperature':temp,'humidity':hum,'hazardousgas':gas}
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()
```