

PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

PYTHON CODE

```
#IBM Watson IOT Platform
import wiotp.sdk.device import
time import random myConfig
= {
    "identity": {
        "orgId": "yf0dyy ",
        "typeId": "Hussain ",
        "deviceId": "12345"
    },
    "auth": {
        "token": "VJTDPRX@f&4Vuox8ms "
    } }

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 =
```

```
    myCommandCallbacktime.sleep(2)
```

```
    client.disconnect()
```

OUTPUT:



