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": "Faraaz ",
     "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:





