PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```python
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time import random
myConfig = {
"identity": {
"orgId": "yf0dyy ",
"typeId": "Kumaran ",
"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)
```

```python
        print("Published data Successfully: %s", myData)
        client.commandCallback = myCommandCallback
        time.sleep(2)
client.disconnect()
```