

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Team Id :PNT2022TMID49765

Project Title: Gas Leakage Monitoring & Alerting System

```
#IBM Watson IOT Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time
import random

myConfig = {
    "identity": {
        "orgId": "4o5bpf",
        "typeId": "TestDeviceType",
        "deviceId": "28122001"
    },
    "auth": {
        "token": "rlrLKxv&K2!a0FFQC"
    }
}

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()
```