PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Team ID	PNT2022TMID04619
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": "Nazeer ",

        "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)
```

```python
        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()
```