

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Date	16st November 2022
Team ID	PNT2022TMID12845
Project Name	Gas Leakage Monitoring and Alerting System
Maximum Mark	4 marks

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