PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

DATE	9 NOVEMBER 2022
TEAM ID	PNT2022TMID01775
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)
```

```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()
```