PYTHON CODE TO PUBLISH DATA TO IBMCLOUD

Date	18 NOVEMBER 2022
Team ID	PNT2022TMID27861
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM

```python
#IBM Watson IOT

Platform #pip install

wiotp-sdk import

wiotp.sdk.device

import timeimport

random myConfig

    = {

    "identity

    ": {

        "orgId": "v2g696",

        "typeId":

        "sahithi",

        "deviceId":"123

        45"

    },

    "auth": {

        "token": "123456789 "

    }

}

def myCommandCallback(cmd):

    print("Message received from IBM IoT Platform: %s" %

    cmd.data['command']) m=cmd.data['command']
```

```python
    client =
wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)client.connect()

while True: gas=random.randint(0,100)
    temp=random.randint(0,1
    00)
    hum=random.randint(0,10
    0)
    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()
```