PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Date	13 November 2022
Team ID	PNT2022TMID39018
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":"1234

    5"

  },

  "auth": {

    "token": "VJTDPRX@f&4Vuox8ms "

  }

}

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)
```

```python
        temp=random.randint(0,10
        0)
        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         =
        myCommandCallbacktime.sleep(2)
client.disconnect()
```