PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Team ID	**PNT2022TMID18989**
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()
```