PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

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Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

Source Code:

```
#IBM

Watson

IOT

Platform

#pip install wiotp-sdk

import wiotp.sdk.device

import time

import random

myConfig = {

 "identity": {

 "orgId": "hj5fmy",

 "typeId": "NodeMCU",

 "deviceId":"12345"

 },

 "auth": {

 "token": "12345678"

 }

}

def myCommandCallback(cmd):
```

```python
    print("Message received from IBM
IoT Platform: %s" %
cmd.data['command'])
 m=cmd.data['command']
client=wiotp.sdk.device.
DeviceClient(config=myConfig,lon
e)
client.connect()
while True:
 temp=random.randint(-20,125)
 hum=random.randint(0,100)
 myData={'temperature':temp,
'humidity':hum}

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()
```