# PYTHON CODE TO PUBLISH DATA TO IBMCLOUD

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| **Date** | 17 NOVEMBER 2022 |
| **Team ID** | PNT2022TMID14393 |
| **Project Name** | GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES |

```python
#IBM Watson IOT Platform

#pip install wiotp-sdk import

wiotp.sdk.device import

timeimport random myConfig

    = {

    "identity":

    {

        "orgId": "v2g696",

        "typeId":

        "sairaj",

        "deviceId":"12345"

    },

    "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(0,100)

    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()
```