

## PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

<b>Team ID</b>	PNT2022TMID49412
<b>Project Name</b>	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk import
```

```
wiotp.sdk.device import time
```

```
import random myConfig = {
```

```
    "identity": {
```

```
        "orgId": "yf0dyy ",
```

```
        "typeId": "halik ",
```

```
        "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)

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()
```