

## PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

### Team ID:

PNT2022TMID05241

### Project Name:

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": "yf0dyd ",
```

```
        "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)  
    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",    msg    Format="json",  
data=myData, qos=0, on Publish=None) print("Published data Successfully: %s",  
myData) client.commandCallback myCommandCallback time.sleep(2)  
client.disconnect()
```