

## DEVELOP THE PYTHON CODE

TEAM ID	PNT2022TMID49266
PROJECT NAME	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

```
code.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python39/code.py (3.9.6)
File Edit Format Run Options Window Help

#IBM Watson IoT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "y0lvic",
        "typeId": "Devicetype",
        "deviceId": "12345"
    },
    "auth": {
        "token": "5Q!E8UvJau2!6Qo_bZ"
    }
}

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:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    pressure=random.randint(0,45)
    myData={'temperature':temp, 'humidity':hum, 'pressure':pressure}
    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()
```

Thus the python code is developed successfully.