TEAM ID	**PNT2022TMID00945**
PROJECT NAME	**GAS LEAKAGE MONITORING AND ALERTING SYSTEM**

PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Python Code:

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time import random
myConfig = {
    "identity": {
        "orgId": "0tus0f",
        "typeId": "ESP32",
        "deviceId":"01"
    },
    "auth": {
        "token": "Gowth@m@nk18"
    }
}

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)

myData={'temperature':temp, 'humidity':hum}

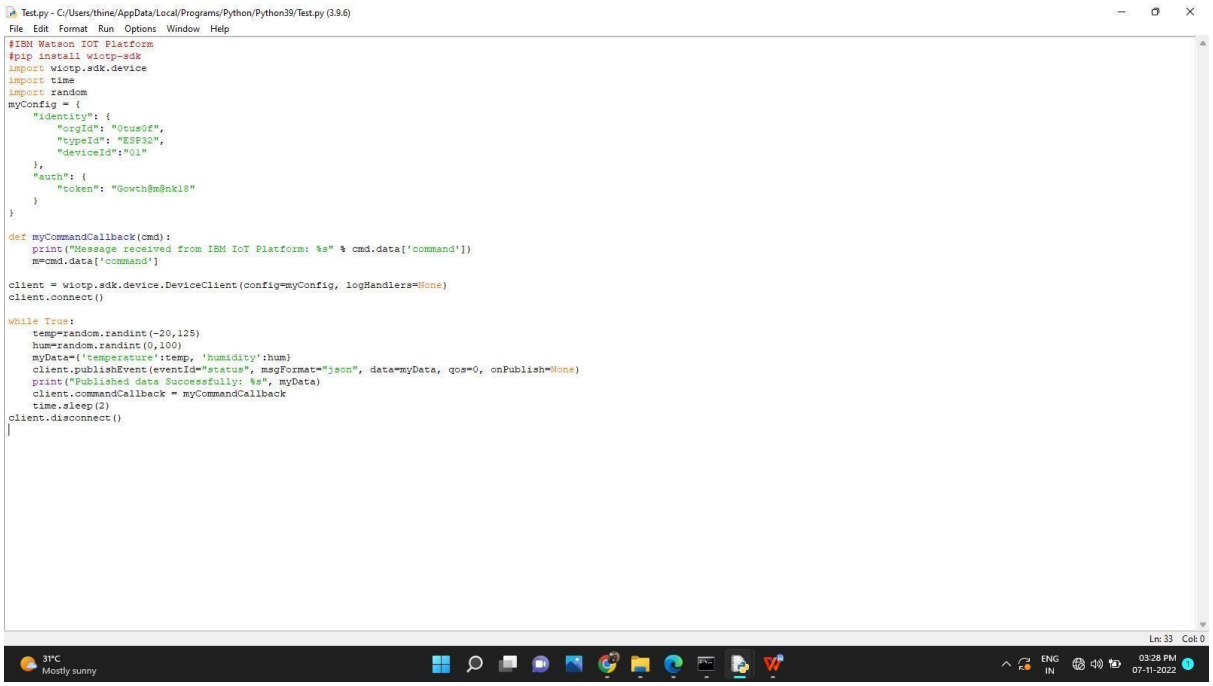
client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)

print("Published data Successfully: %s", myData)

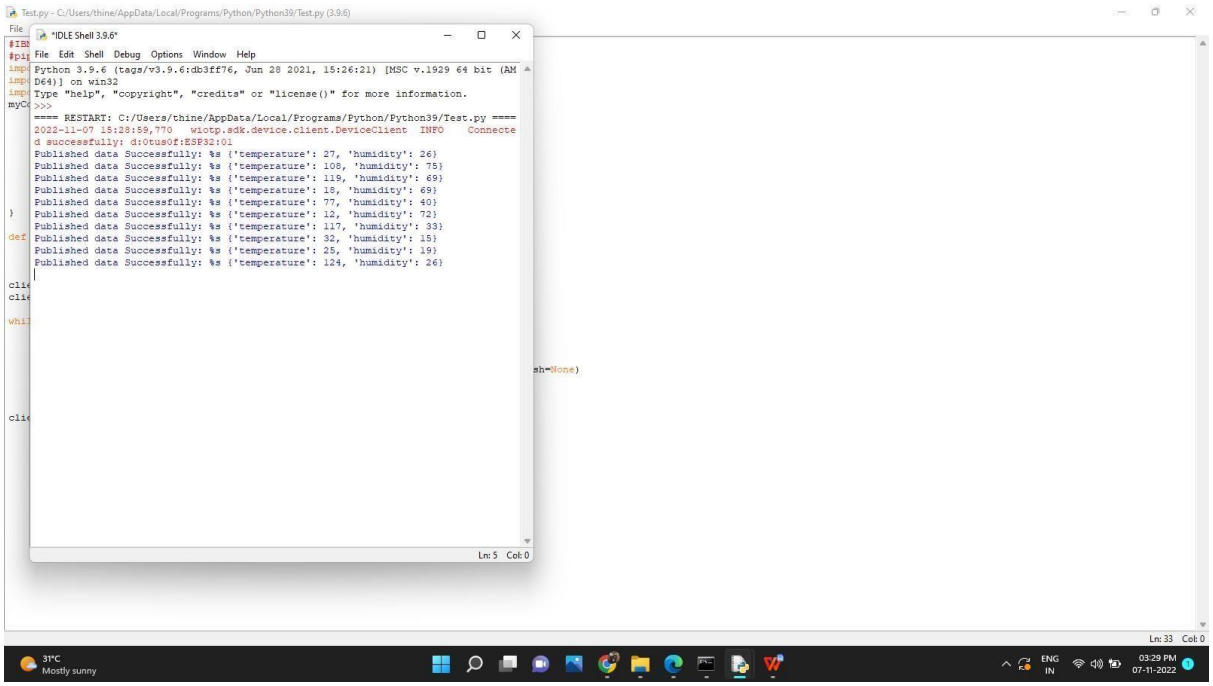
client.commandCallback = myCommandCallback time.sleep(2)

client.disconnect()

PYTHON CODE:



PYTHON OUTPUT:



Watson Cloud IBM: