PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

Team ID	PNT2022TMID16964
Project Name	Gas Leakage Monitoring and Alerting System for industries

Python Code:

```
#IBM Watson IOT Platform

#pip install wiotp-sdk import

wiotp.sdk.device import time

import random

myConfig = {

    "identity": {

        "orgId": "a73vfr",

        "typeId": "Arduino",

        "deviceId":"2002"

    },

    "auth": {

        "token": "XAS55GPfftdSdAcsLp"
```

```
    }
}

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:

aisu.py - C:/Users/ASUS/AppData/Local/Programs/Python/Python310/aisu.py (3.10.7)

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```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "a73vfr",
        "typeId": "Arduino",
        "deviceId":"2002"
    },
    "auth": {
        "token": "XA855GPfftdSdAcsLp"
    }
}

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:
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    time.sleep(2)
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PYTHON OUTPUT