DEVELOP THE PYTHON SCRIPT

PROJECT	**REAL TIME WATER QUALITY MONITORING AND CONTROL SYSTEM**
TEAM ID	**PNT2022TMID13087**

DEVELOP THE PYTHON SCRIPT:

```
import random
import time

#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device

myConfig = {
    "identity": {
        "orgId": "orgAlpha",
        "typeId": "WaterMonitor",
        "deviceId":"1234"
    },
    "auth": {
        "token": "12345678"
```

```
    }
}

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)
    PH=random.randint(0,14)
    O2=random.randint(0,100)
    myData={'temperature':temp, 'humidity':hum, 'phvalue':PH, 'dissolved_oxygen':O2}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
client.disconnect(5)
```