PYTHON SCRIPT

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Project Name	REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

Python-Code:

```python
import wiotp.sdk.device

import time import

random myConfig = {

    "identity": {

        "orgId": "ttr4ty",

        "typeId": "mydevice1",

        "deviceId":"123456"

    },

    "auth": {

        "token": "abcd1234"

    }

}
```

```python
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" %
cmd.data['command'])    m=cmd.data['command']
    if m == "lighton":
        print("motor is RUNNING....")
    else:
        print("motor is STOPPED ..! ")


client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()


while True:
    temp=random.randint(-20,125)
hum=random.randint(0,100)
con = random.randint(0,100)
tur = random.randint(0,100)
phh = random.randint(0,14)
myData={'temperature':temp,
```

```python
          'humidity':hum,'conductivity':con,'turbidity':tur,'ph':phh}

          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()
```