PROJECT NAME: REAL-TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

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PYTHON SCRIPT

```
import wiotp.sdk.device
import time
 import random
 myConfig = {
    "identity":  {
       "orgId": "eoic67",
       "typeId": "testdevicetype",
       "deviceId":"123456"
    },
    "auth": {
       "token": "cth36S*ZLw61v4ALMe"
    }
 }
def myCommandCallback(cmd):
print("Message received from IBM IoT Platform: %s" % cmd.data['command'])

m=cmd.data['command']
if (m=="LIGHT ON"):
print("light are on")
elif(m=="LIGHT OFF"):
print("lights off")else:
print("something wrong")

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 =
    myCommandCallbacktime.sleep(2)
 client.disconnect()
```