

Python program for IoT Based Real Time River Water Quality Monitoring and Control Systems

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```
import wiotp.sdk.device

import time

import random

myConfig = {

    "identity": {

        "orgId": "7zkma3",

        "typeId": "Kiran",

        "deviceId": "123456"

    },

    "auth": {

        "token": "VQofJ-HroDIu@i5NBn"

    }

}

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)

ph=random.randint(0,100)

myData={'temperature':temp, 'PH value':ph}

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

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

client.commandCallback = myCommandCallback

time.sleep(10)

client.disconnect()
```