**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()**