

# PYTHON CODE TO PUBLISH DATA TO IBM CLOUD

<b>Date</b>	16 NOVEMBER 2022
<b>Team ID</b>	PNT2022TMID26485
<b>Project Name</b>	REAL -TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

## Python Code

```
#IBM Watson IOT Platform #pip install wiotp-  
sdk import wiotp.sdk.device import timeimport  
random myConfig = {  
    "identity": {  
        "orgId": "yf0dyy ",  
        "typeId": "Jero ",  
        "deviceId":"12345"  
    },  
    "auth": {  
        "token": "VJTDPRX@f&4Vuox8ms "  
    }  
}
```

```

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:
        water=random.randint(0,100)
        temp=random(0,100)
        hum=random.randint(0,100)
        pre=random.random(0,100)
        myData={'Hazardous WATER:water,
        'Temparature';temp,'Humidity':hum,'Pressure':pre }
        client.publish(eventid="status",
        msgFormat="json",data=myData, qos=0, onPublish=None)

    print("Published data successfully:%S",myData)
    client.commandCallback = myCommandback
    time.sleep(2)
    client.disconnect()

```