

## PYTHON SCPRIT( WATER ,TEMPERATURE, HUMIDITY,PRESSURE)

Date	3 November 2022
Team ID	PNT2022TMID17661
Project Name	Real – time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

### PYTHON CODE

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "9xyd4z",
        "typeId": "Rasp",
        "deviceId": "12345"
    },
    "auth": {
        "token": "12345678"
    }
}
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(0,14)
    myData={'temperature':temp, 'pH':pH}
    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()
```