# SPRINT - 1

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| Date | **29th October 2022** |
| Team ID | PNT2022TMID04782 |
| Project Name | Real-Time Water Quality Monitoring And Control System |

**CODING:**

#IBM Watson IOT Platform #pip install wiotp-sdk import wiotp.sdk.device import time import random myConfig = {

"identity": {

"orgId": "hj5fmy",

"typeId": "NodeMCU", "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) 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 = myCommandCallback time.sleep(2) client.disconnect()

}