

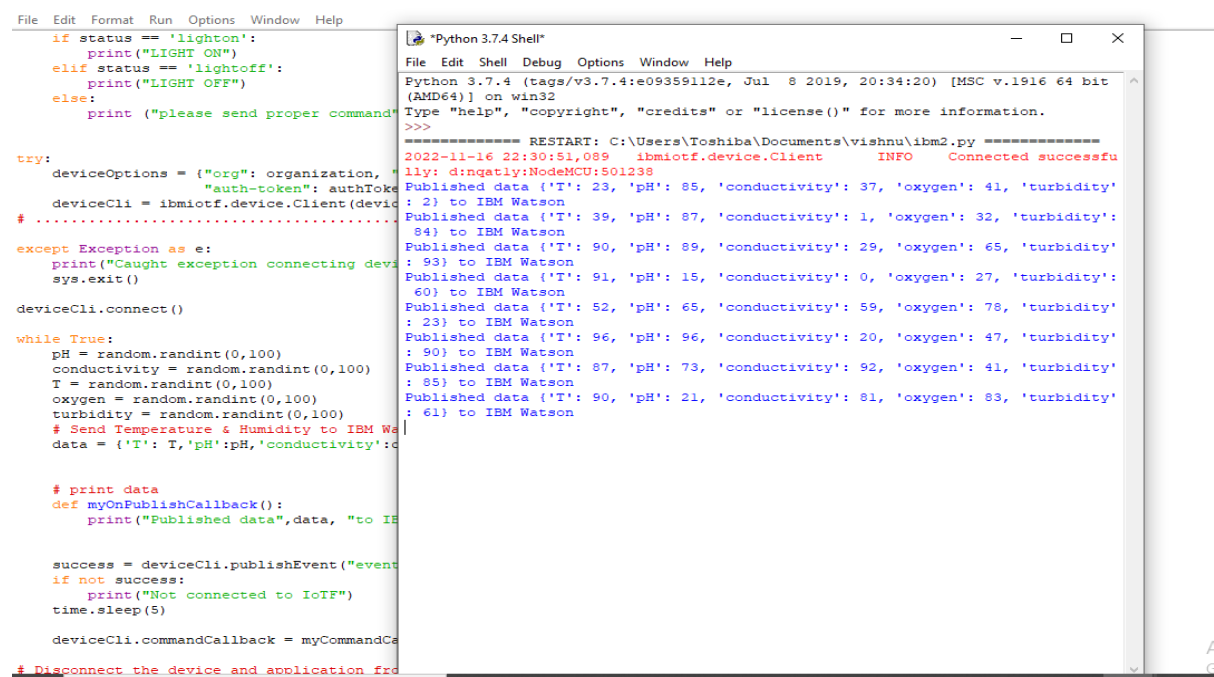
Publish data to the IBM cloud

Team ID : PNT2022TMID06917.

Project Name : Real time river water quality monitoring and Control System

Team Members:

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File Edit Format Run Options Window Help
if status == 'lighton':
    print("LIGHT ON")
elif status == 'lightoff':
    print("LIGHT OFF")
else:
    print ("please send proper command")

try:
    deviceOptions = {"org": organization,
                    "auth-token": authToken}
    deviceCli = ibmiotf.device.Client(deviceOptions)
except Exception as e:
    print("Caught exception connecting device")
    sys.exit()

deviceCli.connect()

while True:
    pH = random.randint(0,100)
    conductivity = random.randint(0,100)
    T = random.randint(0,100)
    oxygen = random.randint(0,100)
    turbidity = random.randint(0,100)
    # Send Temperature & Humidity to IBM Watson
    data = {'T': T, 'pH': pH, 'conductivity': conductivity, 'oxygen': oxygen, 'turbidity': turbidity}

    # print data
    def myOnPublishCallback():
        print("Published data", data, "to IBM Watson")

    success = deviceCli.publishEvent("event", data, myOnPublishCallback)
    if not success:
        print("Not connected to IoT")
        time.sleep(5)

    deviceCli.commandCallback = myCommandCallback

# Disconnect the device and application from IBM Watson
```

