ASSIGNMENT-3

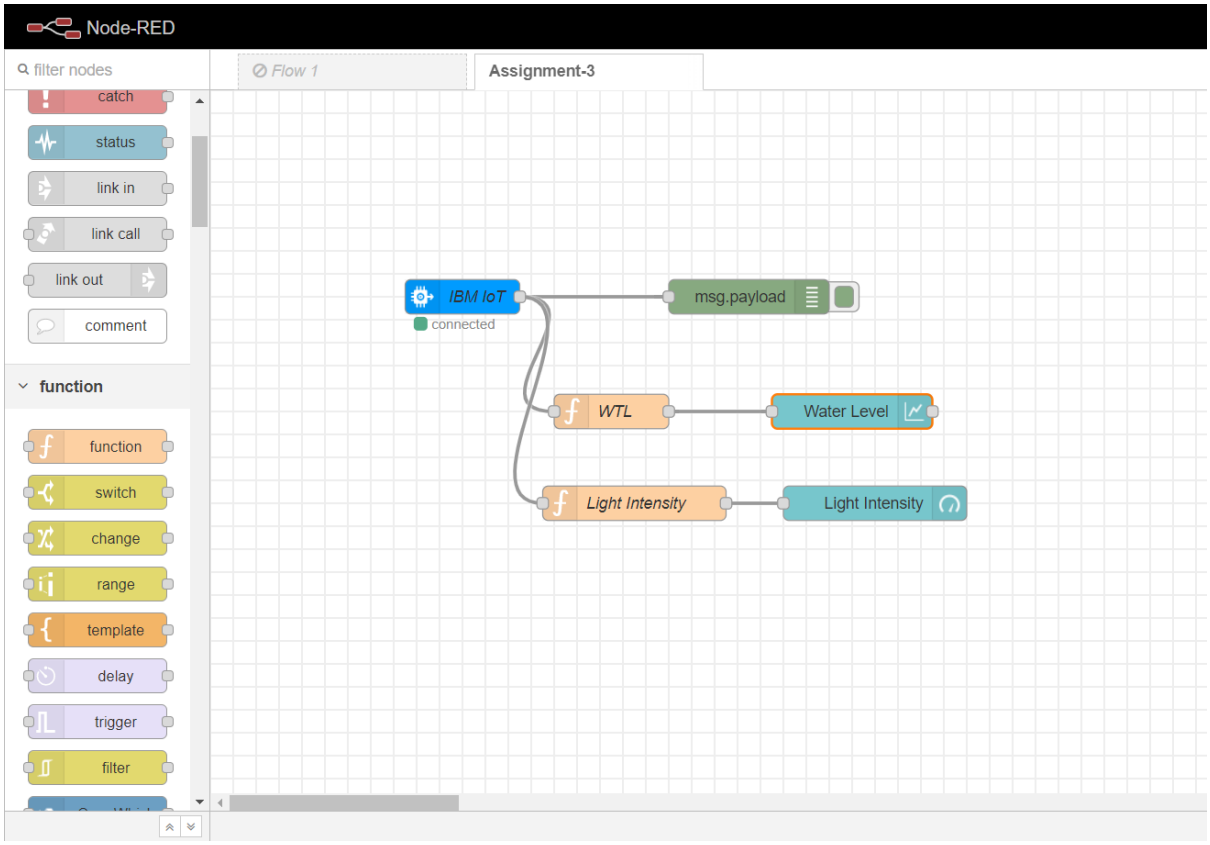
Task: Develop a code to upload the water tank level and light intensity values to the IBM IoT platform and visualize them in the web application.

Code:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "y9045l",
        "typeId": "mobile",
        "deviceId":"09876"
    },
    "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:

    level=random.randint(0,500)

    light=random.randint(0,100)

    myData={'waterlevel':level, 'lightintensity':light}

    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()
```

Node Red Graph:



Debug – output:

Web – Application Graph: