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ASSIGNMENT-3:Develop a code to upload the water tank level and light intensity values to the IBM IOT platform and visualize them on the web application.

PROGRAM CODE:

```python
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6q4wpb",
        "typeId": "VITDevice",
        "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:
    water_level=random.randint(0,100)
    light_intensity=random.randint(0,100)
    myData={'water_level':water_level, 'light_intensity':light_intensity}
    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()
```
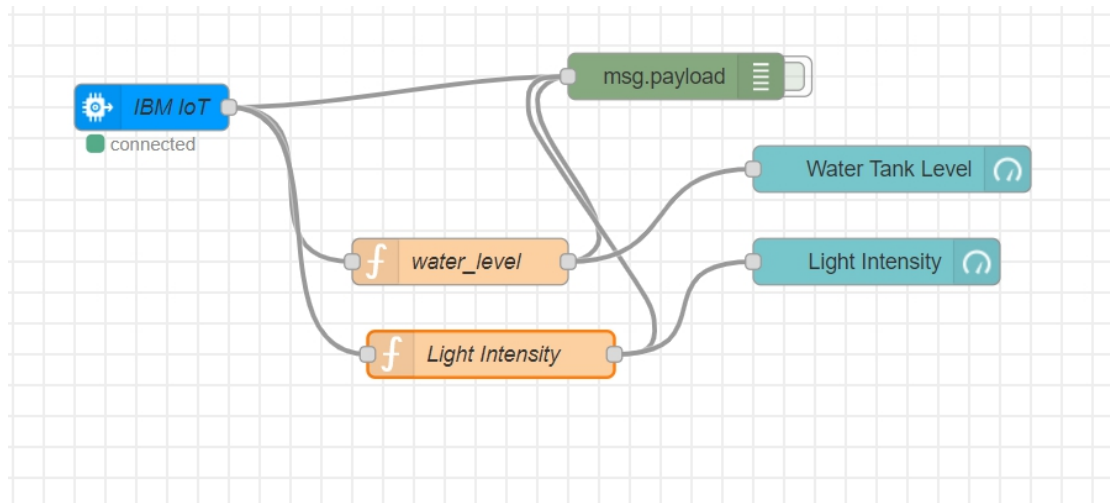
OUTPUT:

NODE RED UI

WEB APPLICATION UI: