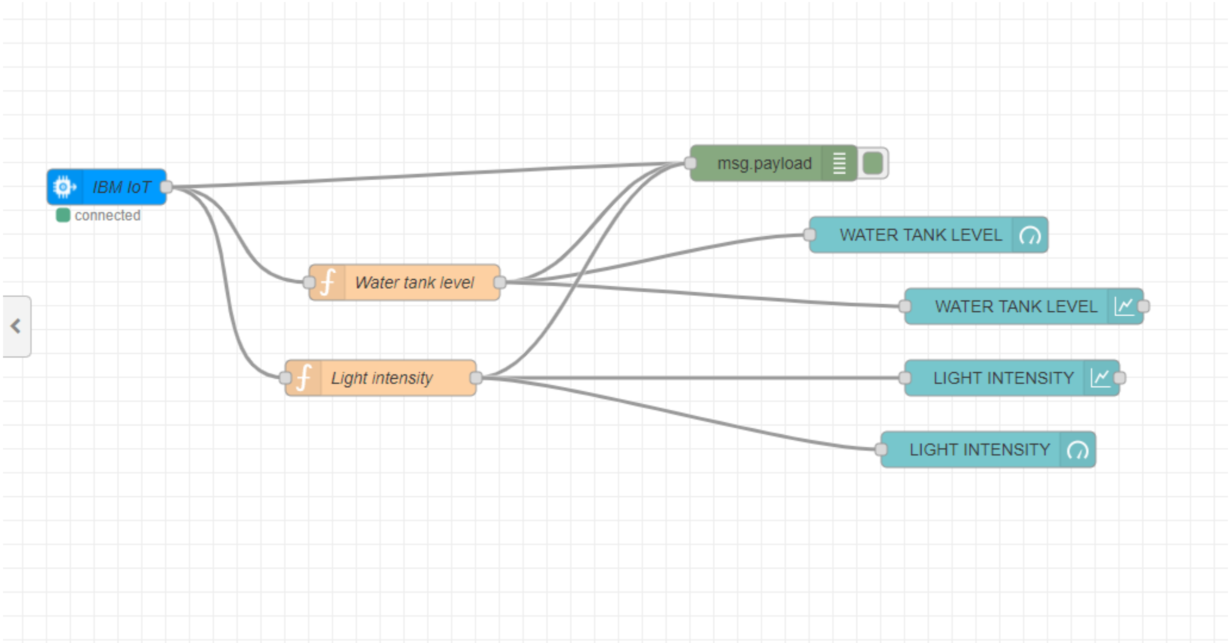
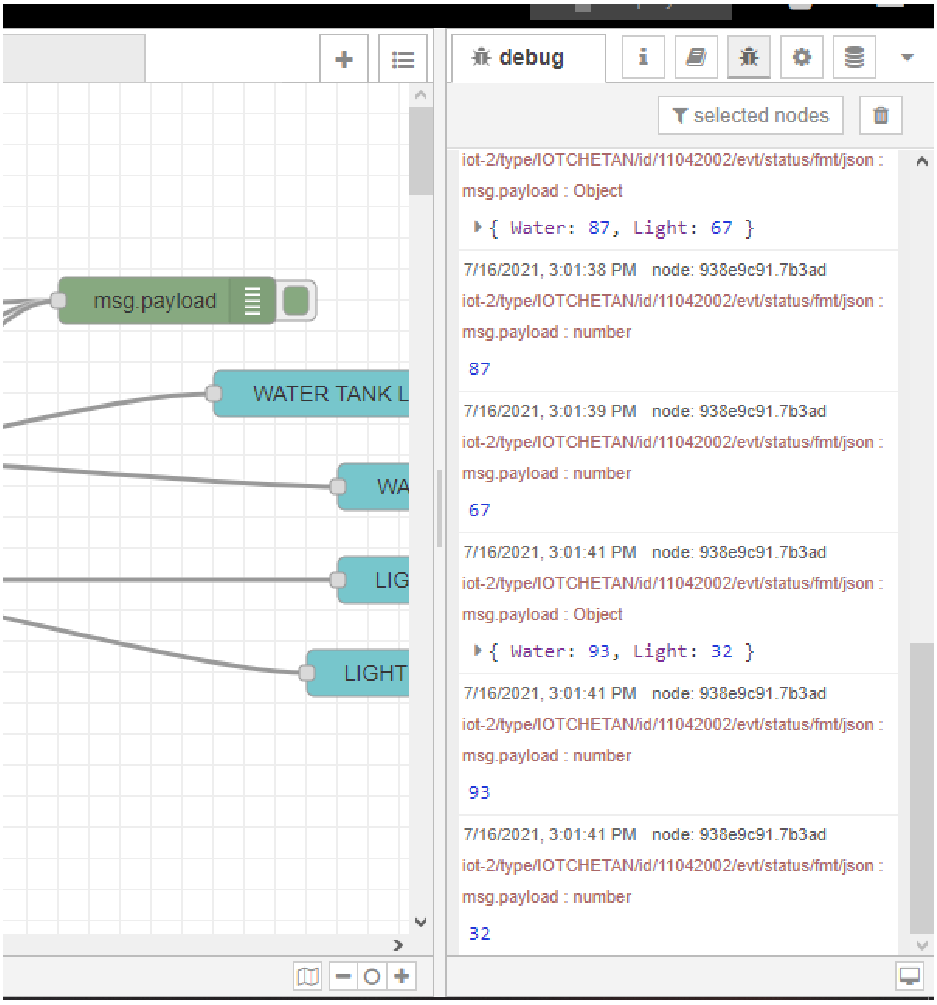
ASSIGNMENT 3

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.

NODE RED

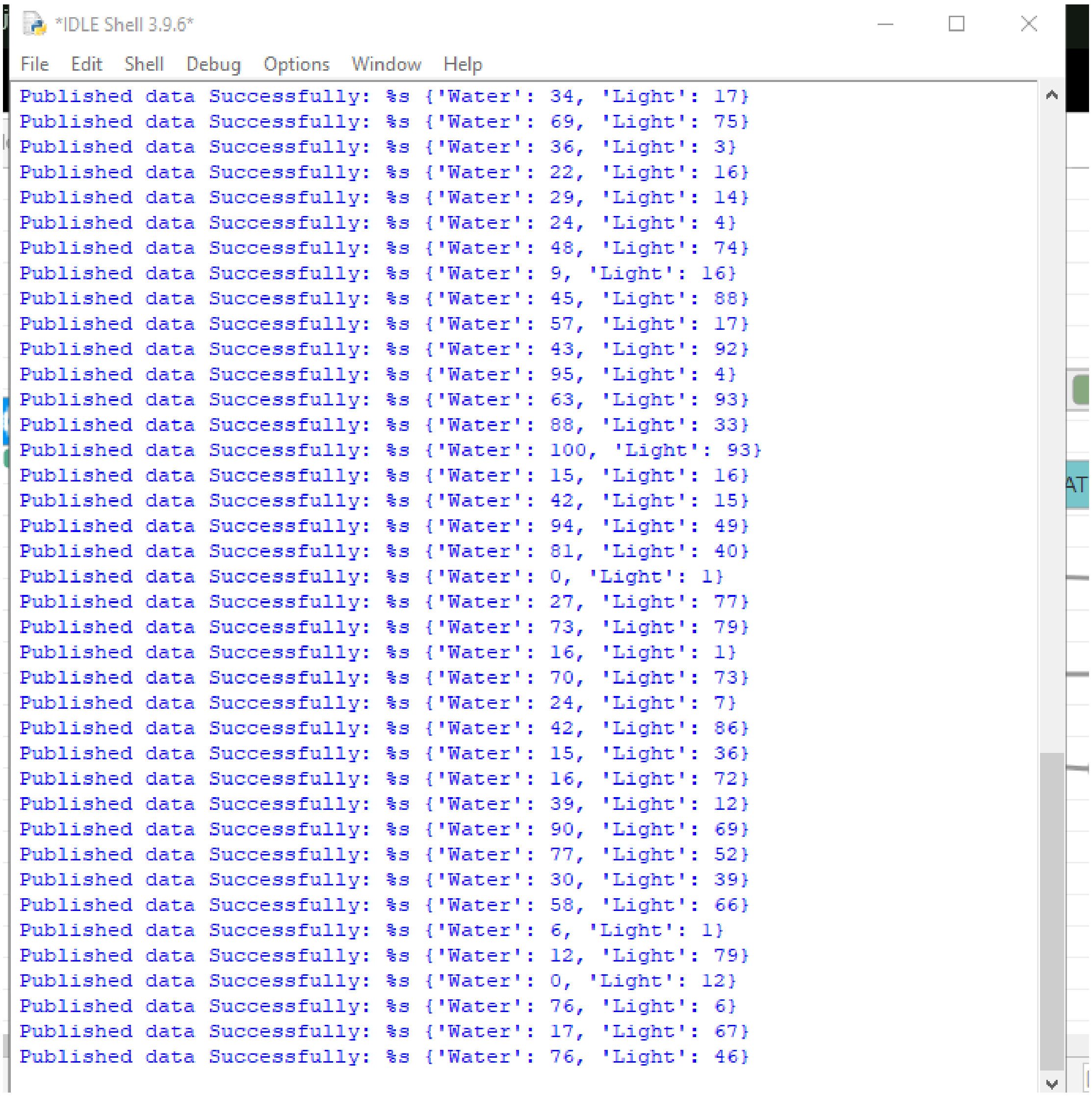


DEBUG



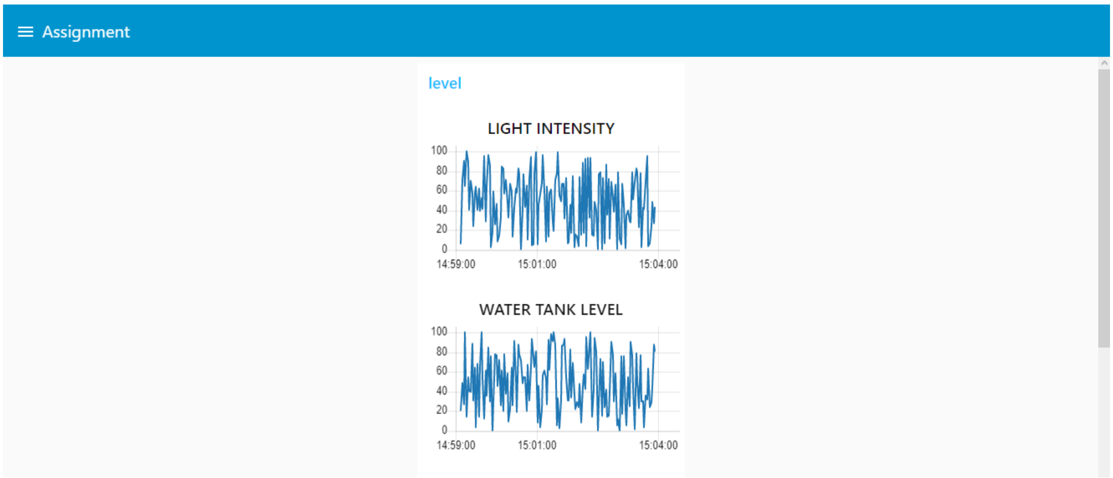
```
iot-2/type/IOTCHETAN/id/11042002/evt/status/fmt/json :
msg.payload : Object
▸{ Water: 87, Light: 67 }

7/16/2021, 3:01:38 PM   node: 938e9c91.7b3ad
iot-2/type/IOTCHETAN/id/11042002/evt/status/fmt/json :
msg.payload : number
87

7/16/2021, 3:01:39 PM   node: 938e9c91.7b3ad
iot-2/type/IOTCHETAN/id/11042002/evt/status/fmt/json :
msg.payload : number
67

7/16/2021, 3:01:41 PM   node: 938e9c91.7b3ad
iot-2/type/IOTCHETAN/id/11042002/evt/status/fmt/json :
msg.payload : Object
▸{ Water: 93, Light: 32 }

7/16/2021, 3:01:41 PM   node: 938e9c91.7b3ad
iot-2/type/IOTCHETAN/id/11042002/evt/status/fmt/json :
msg.payload : number
93

7/16/2021, 3:01:41 PM   node: 938e9c91.7b3ad
iot-2/type/IOTCHETAN/id/11042002/evt/status/fmt/json :
msg.payload : number
32
```

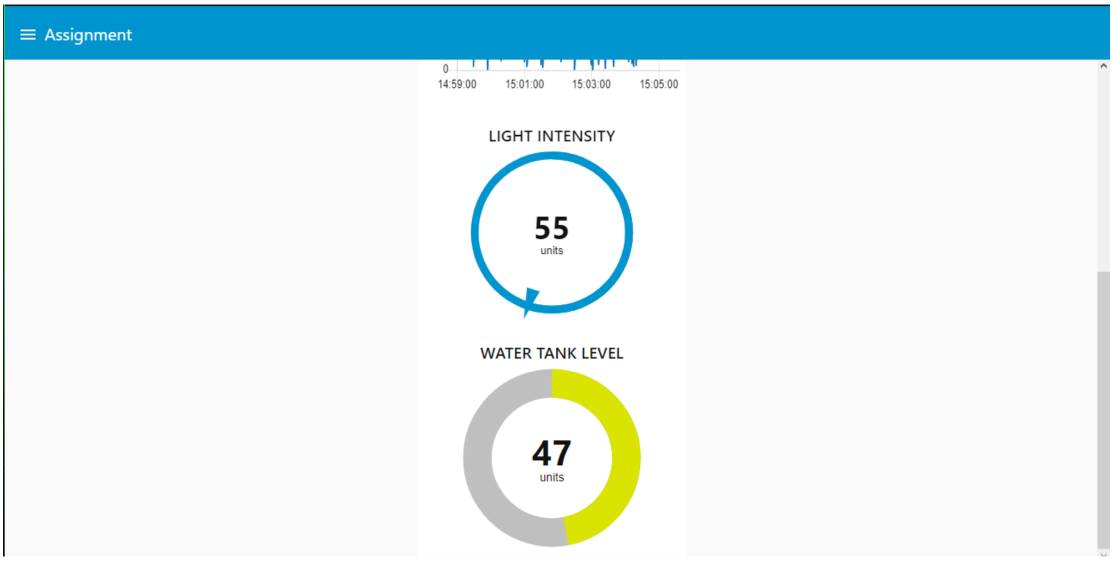
PYTHON SHELL



```
Published data Successfully: %s {'Water': 34, 'Light': 17}
Published data Successfully: %s {'Water': 69, 'Light': 75}
Published data Successfully: %s {'Water': 36, 'Light': 3}
Published data Successfully: %s {'Water': 22, 'Light': 16}
Published data Successfully: %s {'Water': 29, 'Light': 14}
Published data Successfully: %s {'Water': 24, 'Light': 4}
Published data Successfully: %s {'Water': 48, 'Light': 74}
Published data Successfully: %s {'Water': 9, 'Light': 16}
Published data Successfully: %s {'Water': 45, 'Light': 88}
Published data Successfully: %s {'Water': 57, 'Light': 17}
Published data Successfully: %s {'Water': 43, 'Light': 92}
Published data Successfully: %s {'Water': 95, 'Light': 4}
Published data Successfully: %s {'Water': 63, 'Light': 93}
Published data Successfully: %s {'Water': 88, 'Light': 33}
Published data Successfully: %s {'Water': 100, 'Light': 93}
Published data Successfully: %s {'Water': 15, 'Light': 16}
Published data Successfully: %s {'Water': 42, 'Light': 15}
Published data Successfully: %s {'Water': 94, 'Light': 49}
Published data Successfully: %s {'Water': 81, 'Light': 40}
Published data Successfully: %s {'Water': 0, 'Light': 1}
Published data Successfully: %s {'Water': 27, 'Light': 77}
Published data Successfully: %s {'Water': 73, 'Light': 79}
Published data Successfully: %s {'Water': 16, 'Light': 1}
Published data Successfully: %s {'Water': 70, 'Light': 73}
Published data Successfully: %s {'Water': 24, 'Light': 7}
Published data Successfully: %s {'Water': 42, 'Light': 86}
Published data Successfully: %s {'Water': 15, 'Light': 36}
Published data Successfully: %s {'Water': 16, 'Light': 72}
Published data Successfully: %s {'Water': 39, 'Light': 12}
Published data Successfully: %s {'Water': 90, 'Light': 69}
Published data Successfully: %s {'Water': 77, 'Light': 52}
Published data Successfully: %s {'Water': 30, 'Light': 39}
Published data Successfully: %s {'Water': 58, 'Light': 66}
Published data Successfully: %s {'Water': 6, 'Light': 1}
Published data Successfully: %s {'Water': 12, 'Light': 79}
Published data Successfully: %s {'Water': 0, 'Light': 12}
Published data Successfully: %s {'Water': 76, 'Light': 6}
Published data Successfully: %s {'Water': 17, 'Light': 67}
Published data Successfully: %s {'Water': 76, 'Light': 46}
```

OUTPUT CHART AND GAUGE


Assignment
level
LIGHT INTENSITY
100
80
60
40
20
0
14:59:00
15:01:00
15:04:00
WATER TANK LEVEL
100
80
60
40
20
0
14:59:00
15:01:00
15:04:00


Assignment
0
14:59:00
15:01:00
15:03:00
15:05:00
LIGHT INTENSITY
55
units
WATER TANK LEVEL
47
units