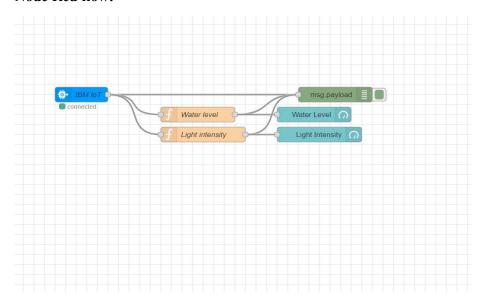
Assignment-3

Name: Shreyansh kumar

Reg no: 19BEC1246

Node Red flow:



Python Code:

```
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random

myConfig = {
    "identity": {
        "orgid": "lzlsjs",
        "typeId": "Assignment3",
        "deviceId": "54913"
    },
    "auth": {
        "token": "8987000566"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    #if(m = "lighton"):
        *print("...Light is ON...")
    *elif(m == "lightoff"):
        *print("...Light is OFF...")

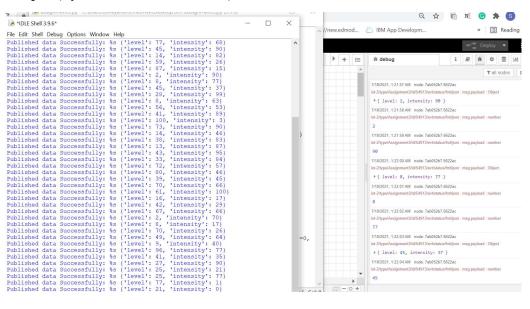
*print("...Light is OFF...")

*print(")

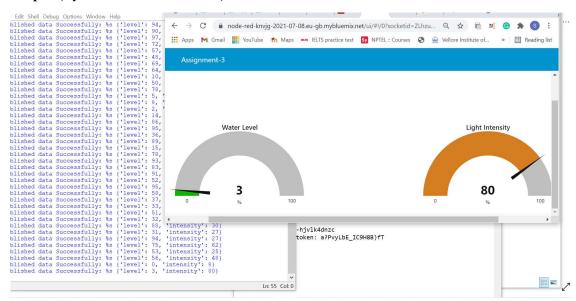
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    level=random.randint(0,100)
    intensity=random.randint(0,100)
    myData={'level':level, 'intensity':intensity}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

Output (Python shell and node red):



Output (Python shell and Web ui):



Web UI:

