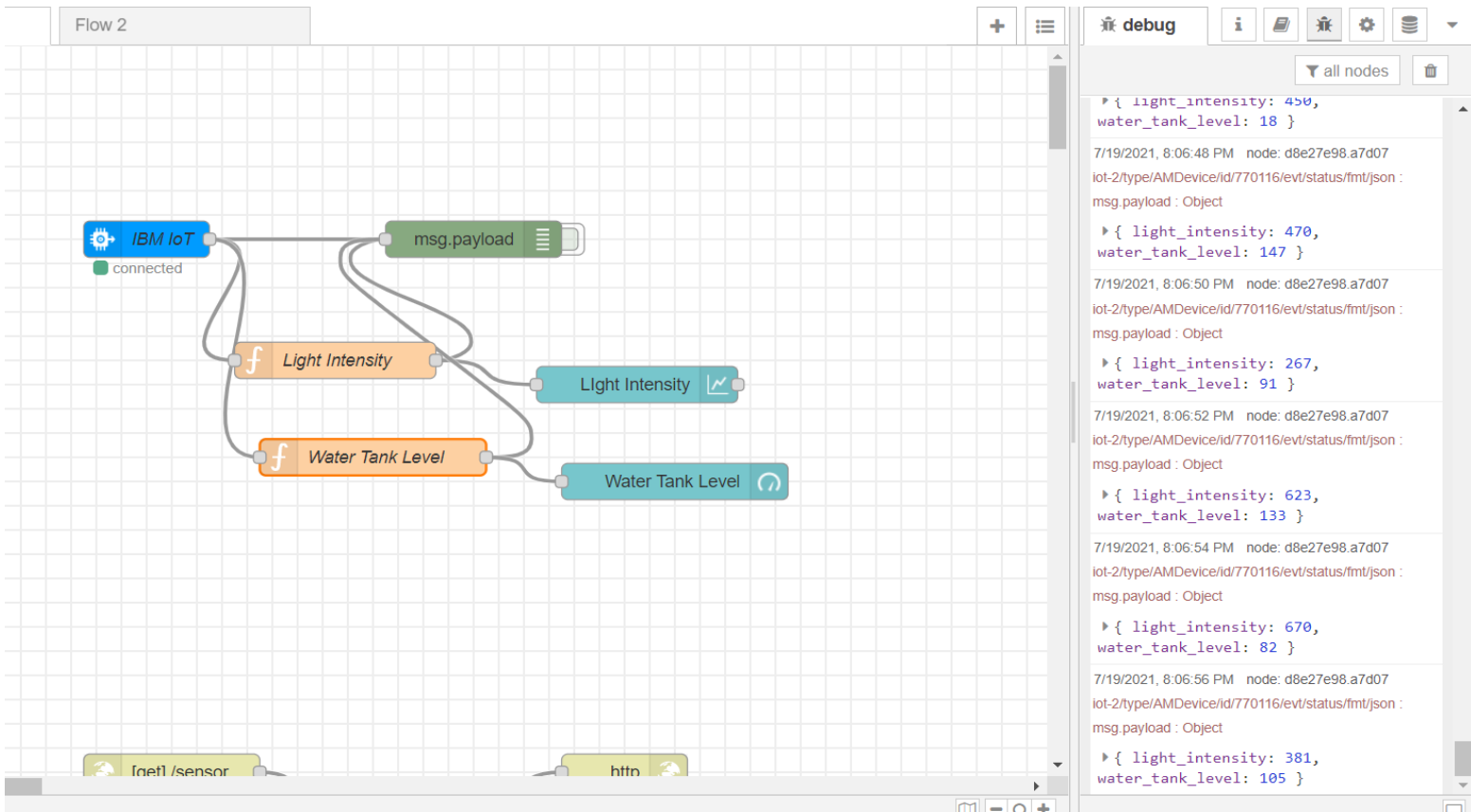


## ASSIGNMENT-3

NAME: Arthi Murugan

REG NO: 19BEC0513

NODE RED:



## CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "fcrykx",
        "typeId": "AMDevice",
        "deviceId": "770116"
    },
    "auth": {
        "token": "14725803"
    }
}

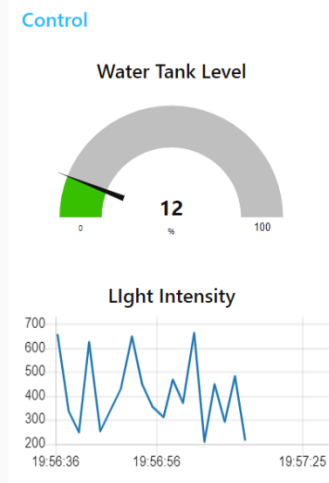
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

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

while True:
    intensity=random.randint(200,700)
    level=random.randint(0,150)
    myData={'light_intensity':intensity, 'water_tank_level':level}
    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()
```

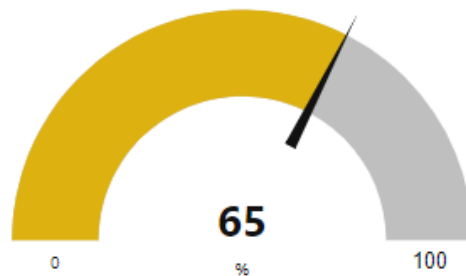
# OUTPUT:

Smart Home Application

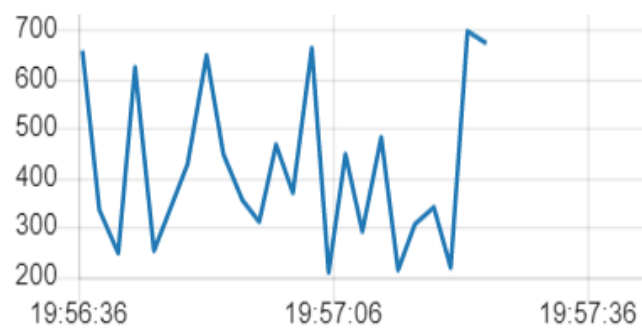


Control

Water Tank Level

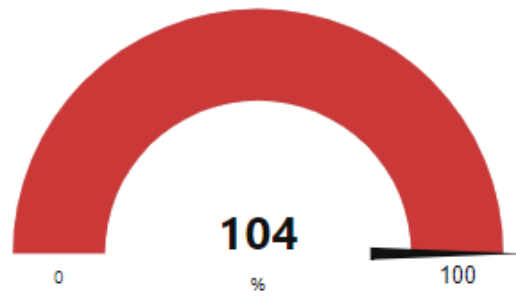


Light Intensity



## Control

### Water Tank Level



### Light Intensity

