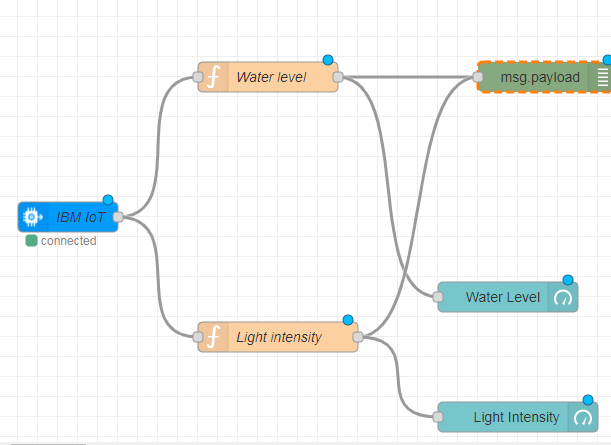
**ASSIGNMENT-3**

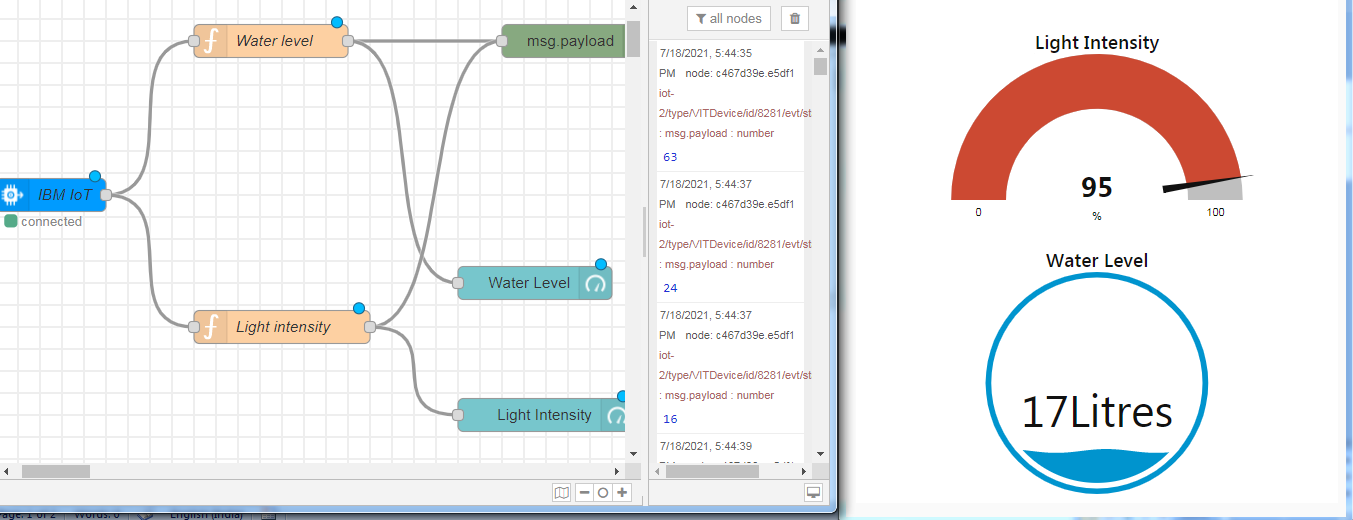
NAME: JEYVARSHA REG NO:19BEE1096

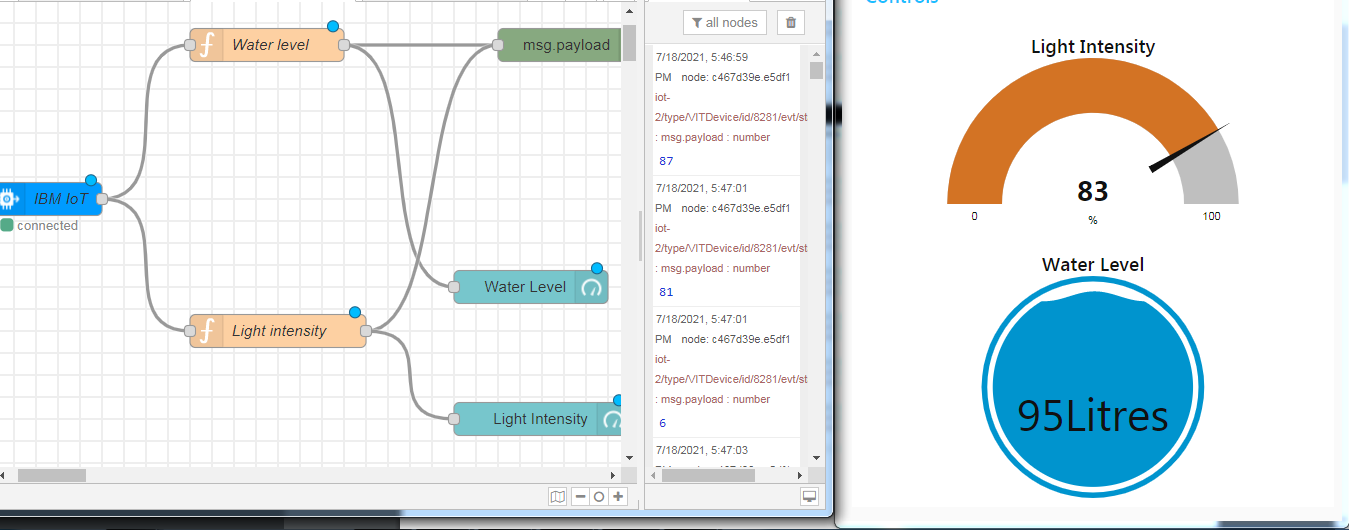
Develop a code to upload the water tank level and light intensity values to the IBM IoT platform and visualize them in the web application.

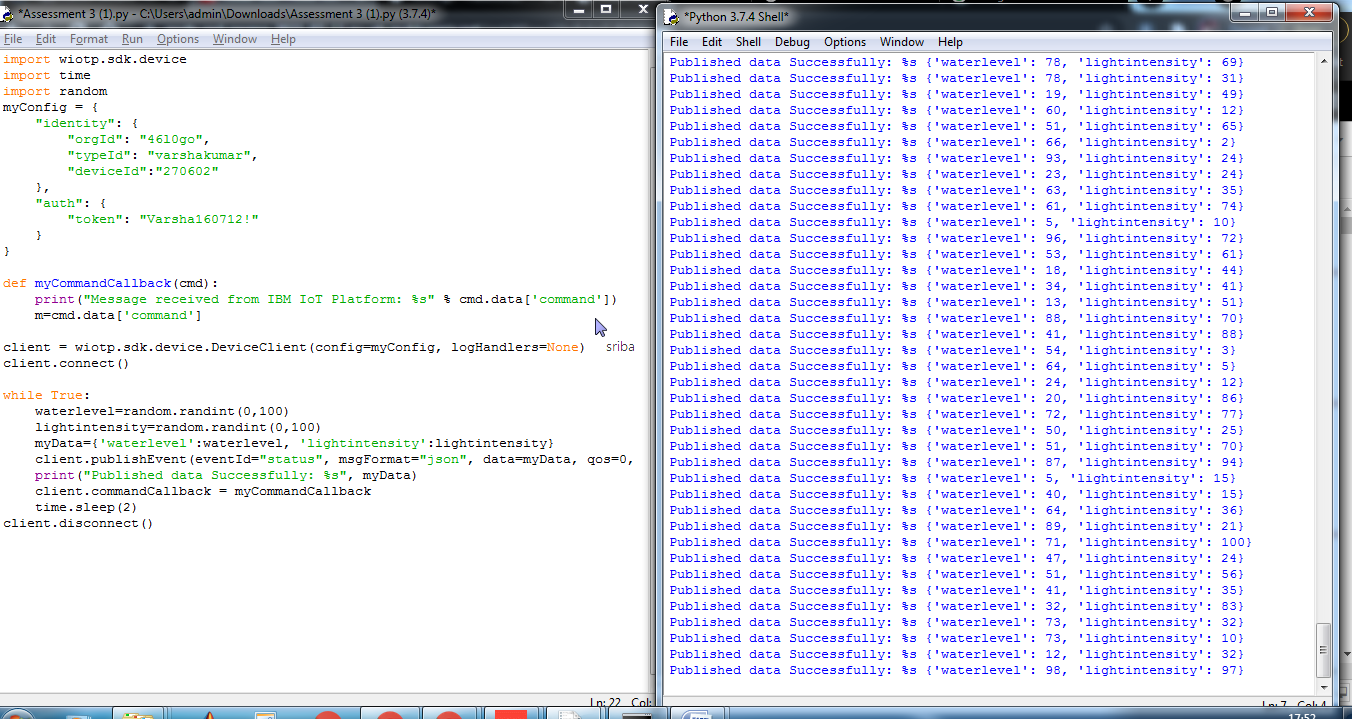
CIRCUIT:



OUTPUT:







**CODE:**

import wiotp.sdk.device

import time

import random

myConfig = {

"identity": {

"orgId": "46l0go",

"typeId": "varshakumar",

"deviceId":"270602"

},

"auth": {

"token": "Varsha160712!"

}

}

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:

waterlevel=random.randint(0,100)

lightintensity=random.randint(0,100)

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

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()

