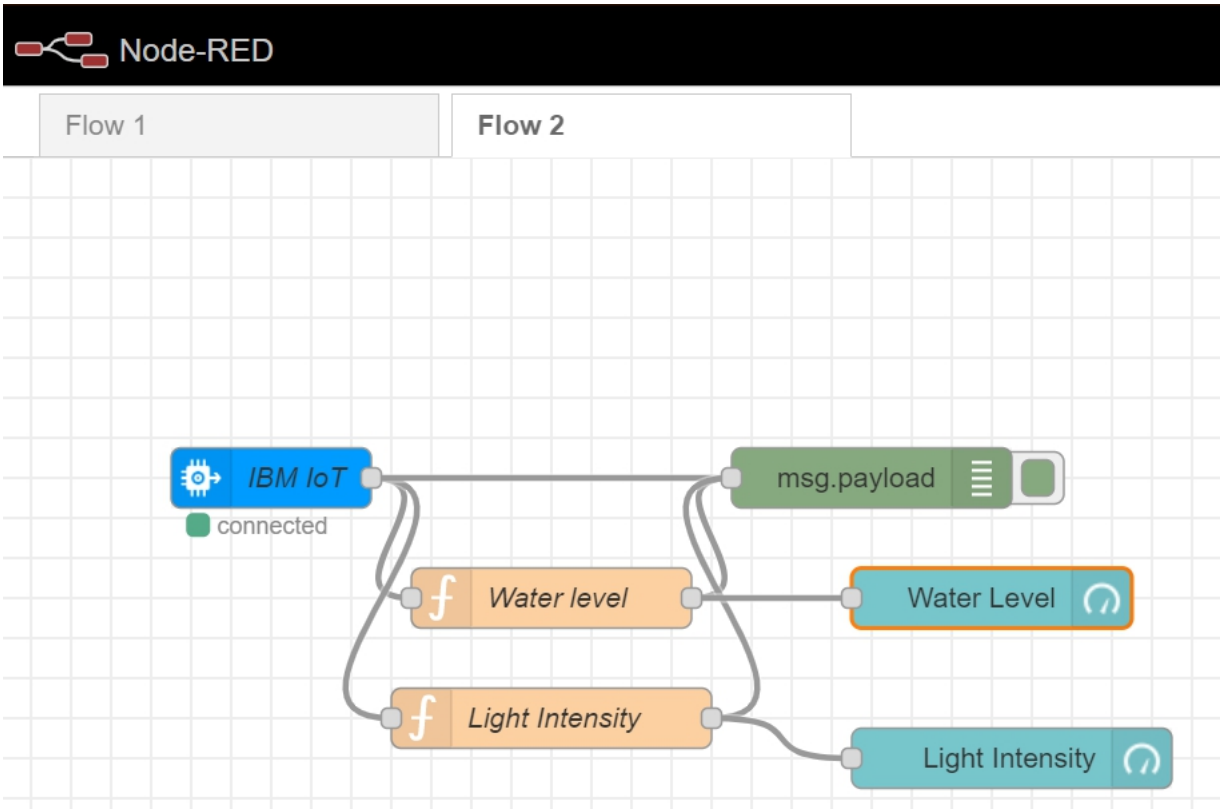
M.AKSHARA

# 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

## CIRCUIT




## PYTHON CODE

```
import wiotp.sdk.device
import time
import random
myConfig = {
   "identity": {
      "orgId": "iyqgoe",
      "typeId": "AkshuDevice",
      "deviceId":"240602"
   },
   "auth": {
      "token": "240602291205"
   }
}

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:
   watlevel=random.randint(0,100)
```

```
    ligint=random.randint(0,100)
    myData={'WaterLevel':watlevel, 'lightintensity':ligint}
    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()
```

## SCREENSHOTS