

## 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.

To visualize in web application, we used two gauges and a chart.

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "h9waei",
        "typeId": "Valadi",
        "deviceId": "12345"
    },
    "auth": {
        "token": "1234567890"
    }
}

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:
    water=random.randint(0,100)
    light=random.randint(0,100)
    myData={'water':water, 'light':light}
    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()
```

Here we can see the connection of following nodes to get desired output



