

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.

Python code:

```
import wiotp.sdk.device
import time
import random

myConfig = {
    "identity": {
        "orgId": "rxrbc7",
        "typeId": "my_device",
        "deviceId": "665540"
    },
    "auth": {
        "token": "6266747231"
    }
}

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)
```

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```
client.connect()
```

```
while True:
```

```
    level=random.randint(0,500)
```

```
    light=random.randint(0,100)
```

```
    myData={'waterlevel':level, 'lightintensity':light}
```

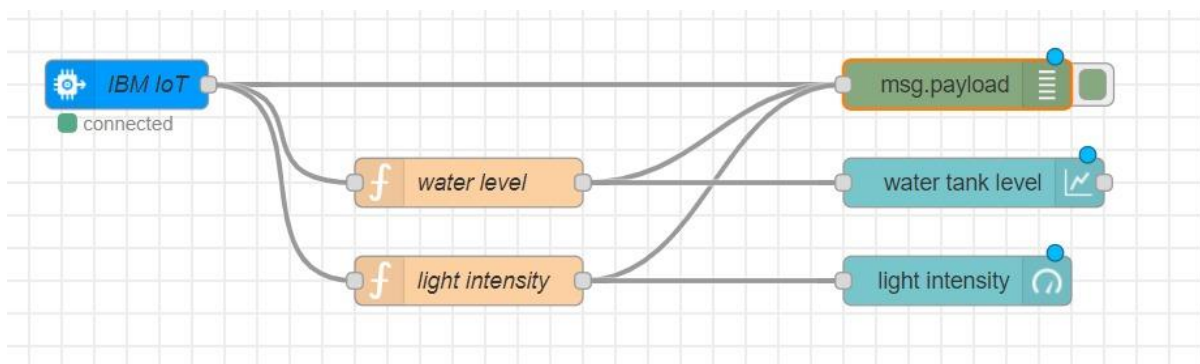
```
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,  
onPublish=None)
```

```
    print("Published data Successfully: %s", myData)
```

```
    client.commandCallback = myCommandCallback
```

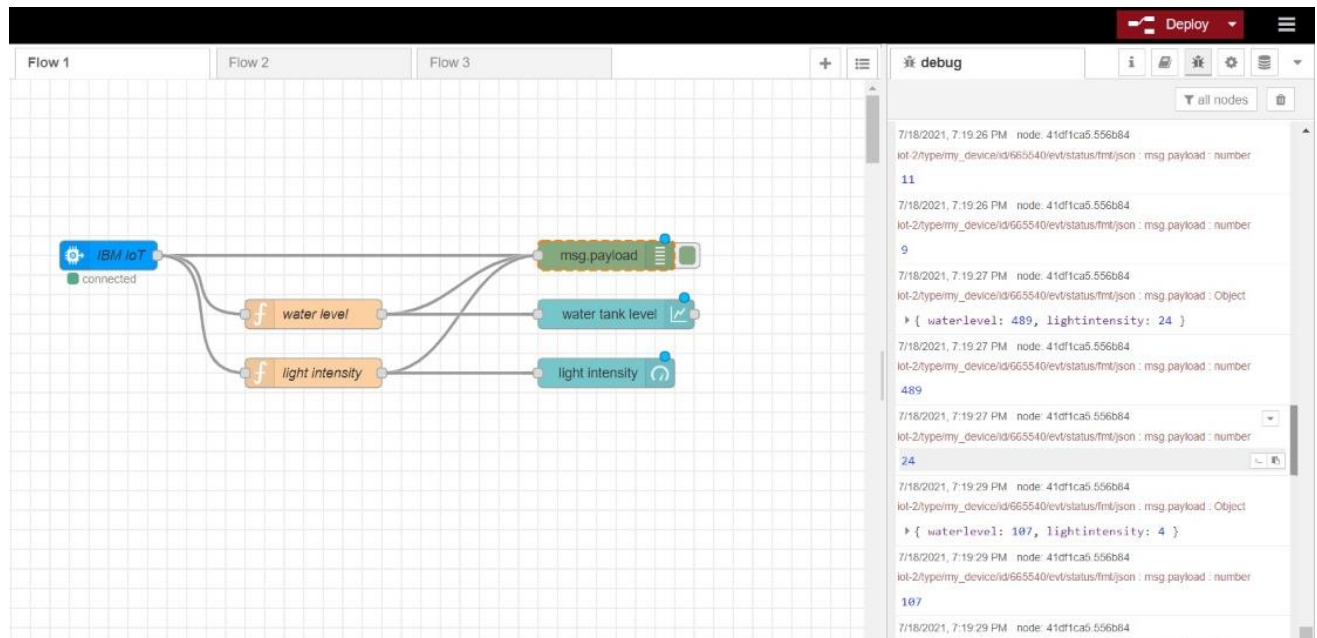
```
    time.sleep(2)
```

```
client.disconnect()
```



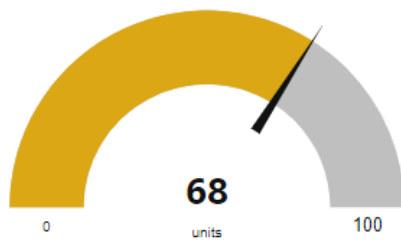
OUTPUT:

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sensor data

light intensity



water tank level

