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Assignment-3

Python Code:

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

myConfig = {
    "identity": {
        "orgId": "c13gq3",
        "typeId": "Device",
        "deviceId": "12345"
    },
    "auth": {
        "token": "987654321"
    }
}

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:
    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)
```

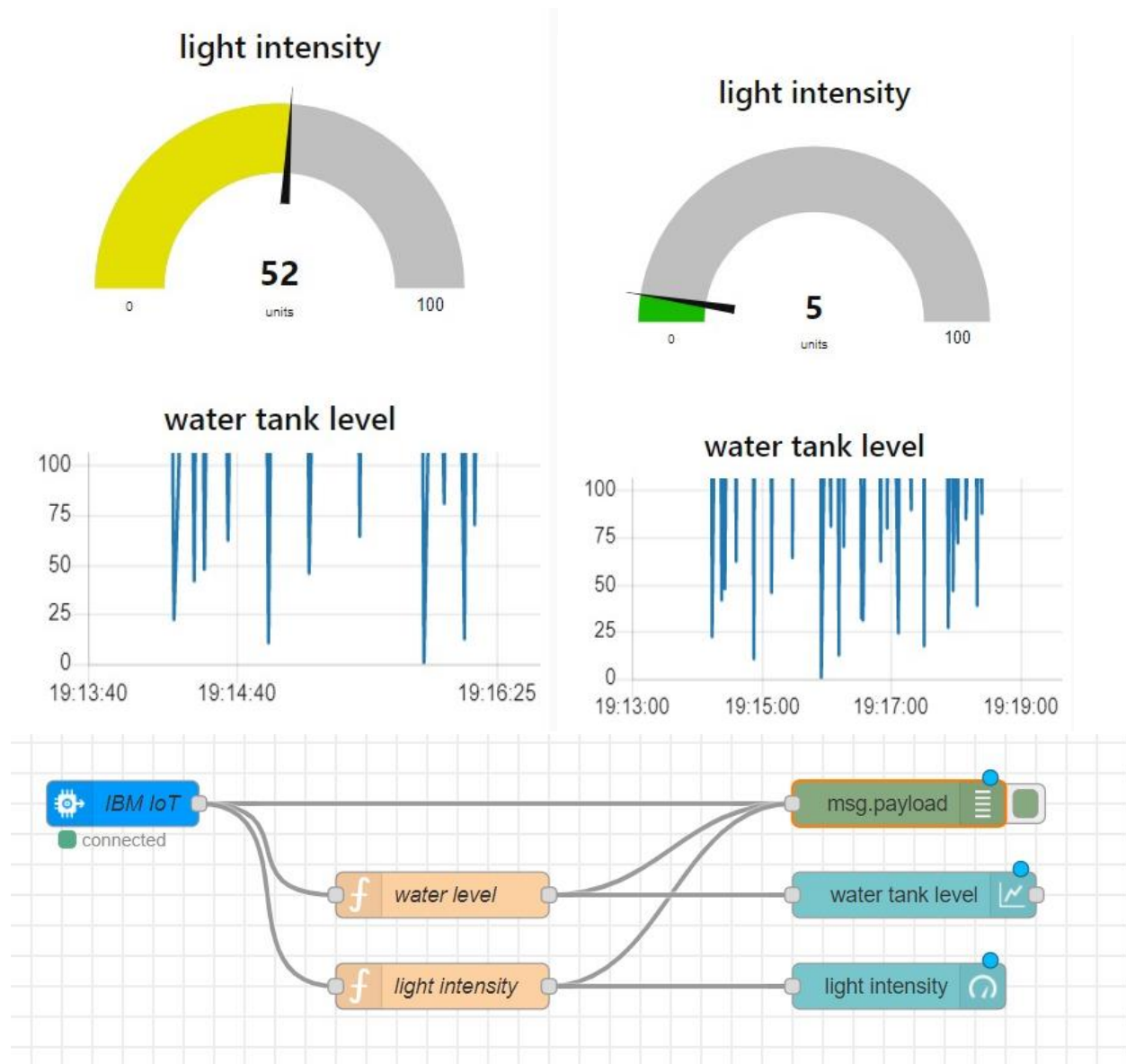
```
print("Published data Successfully: %s", myData)
```

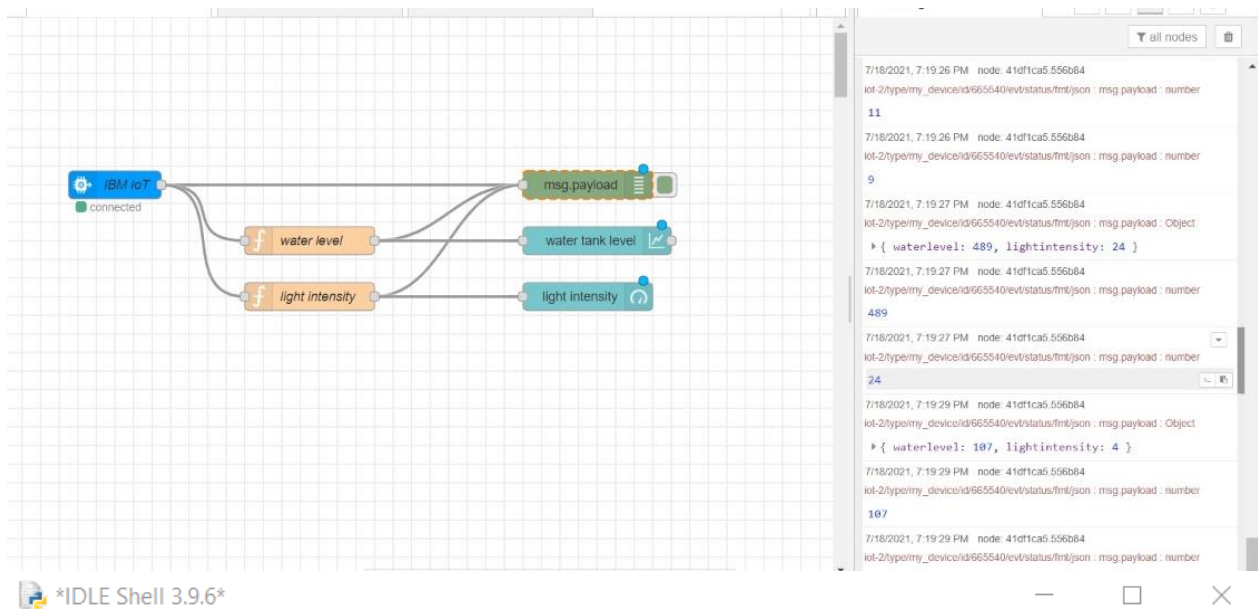
```
client.commandCallback = myCommandCallback
```

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

```
client.disconnect()
```

Screenshots:





```

File Edit Shell Debug Options Window Help
Python 3.9.6 (tags/v3.9.6:db3ff76, Jun 28 2021, 15:26:21) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\Chitranshi\Desktop\IOT\3.py =====
2021-07-18 22:01:45,148 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:c13gq3:Device:12345
Published data Successfully: %s {'waterlevel': 26, 'lightintensity': 33}
Published data Successfully: %s {'waterlevel': 200, 'lightintensity': 52}
Published data Successfully: %s {'waterlevel': 9, 'lightintensity': 18}
Published data Successfully: %s {'waterlevel': 410, 'lightintensity': 34}
Published data Successfully: %s {'waterlevel': 10, 'lightintensity': 52}
Published data Successfully: %s {'waterlevel': 78, 'lightintensity': 92}

```