## **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.

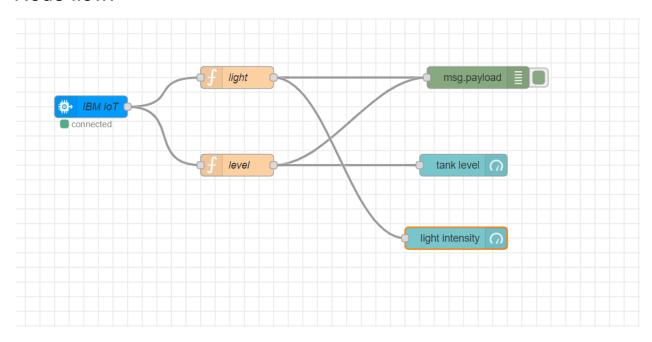
```
iot.py - C:/Users/sree charan/AppData/Local/Programs/Python/Python39/iot.py (3.9.6)
                                                                             X
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "sm9zoz",
        "typeId": "SREECHARAN",
        "deviceId":"12345"
    },
    "auth": {
        "token": "6304531136"
    }
}
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:
    temp=random.randint(0,100)
    hum=random.randint(0,100)
    myData={'light':temp, 'level':hum}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, gos=0,
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

## CODE:

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

```
import random
myConfig = {
    "identity": {
        "orgId": "sm9zoz",
        "typeId": "SREECHARAN",
        "deviceId":"12345"
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def myCommandCallback(cmd):
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client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
client.connect()
while True:
    temp=random.randint(0,100)
    hum=random.randint(0,100)
    myData={'light':temp, 'level':hum}
    client.publishEvent(eventId="status", msgFormat="json",
data=myData, gos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```

## Node flow:



## Output received in web page:

