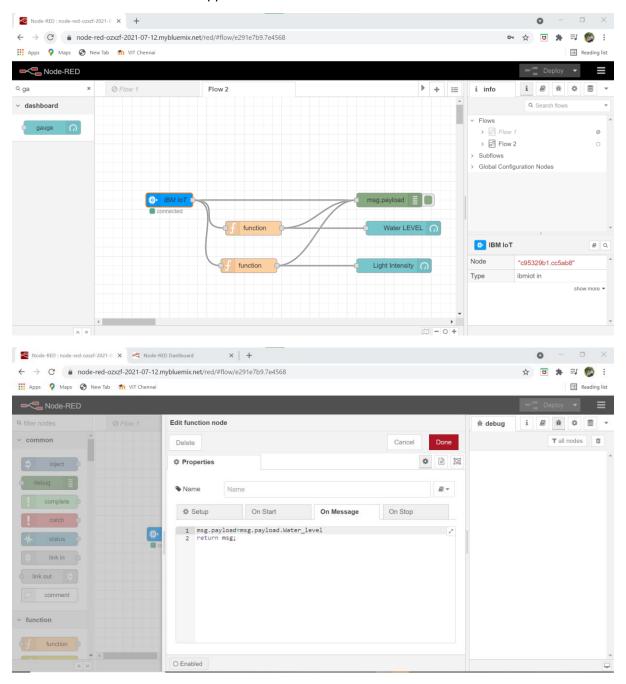
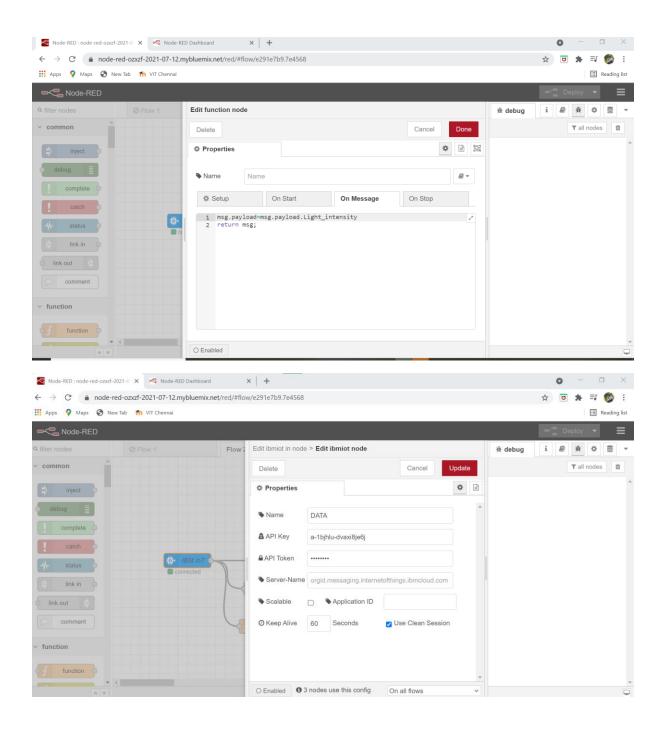
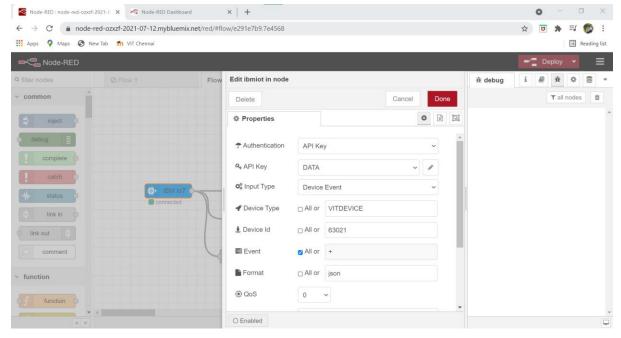
## ASSIGNMENT\_3:

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.







```
CODE:
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "1bjhlu",
    "typeId": "VITDEVICE",
    "deviceId":"63021"
  },
  "auth": {
    "token": "9876543210"
  }
}
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(0,10)

intensity=random.randint(100,1500)

myData={'level':level, 'intensity':intensity}

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()

## AFTER STIMULATION:

```
# Fed Mobined data Successfully: is ("Mater_level: 1, 'Light_intensity': 933)
Published data Successfully: is ("Mater_level: 95, 'Light_intensity': 940)
Published data Successfully: is ("Mater_level: 95, 'Light_intensity': 940)
Published data Successfully: is ("Mater_level: 95, 'Light_intensity': 1239)
Published data Successfully: is ("Mater_level: 94, 'Light_intensity': 1239)
Published data Successfully: is ("Mater_level: 94, 'Light_intensity': 1239)
Published data Successfully: is ("Mater_level: 121, 'Light_intensity': 269)
Published data Successfully: is ("Mater_level: 70, 'Light_intensity': 1330)
Published data Successfully: is ("Mater_level: 70, 'Light_intensity': 1330)
Published data Successfully: is ("Mater_level: 92, 'Light_intensity': 670)
Published
```

