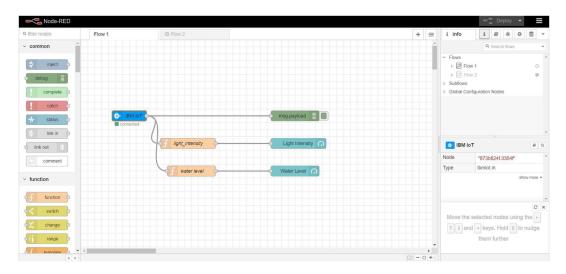
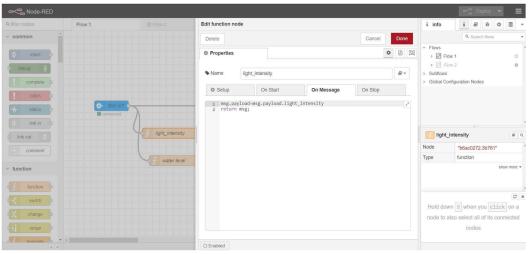
Name: G.Siva Naga Nihith

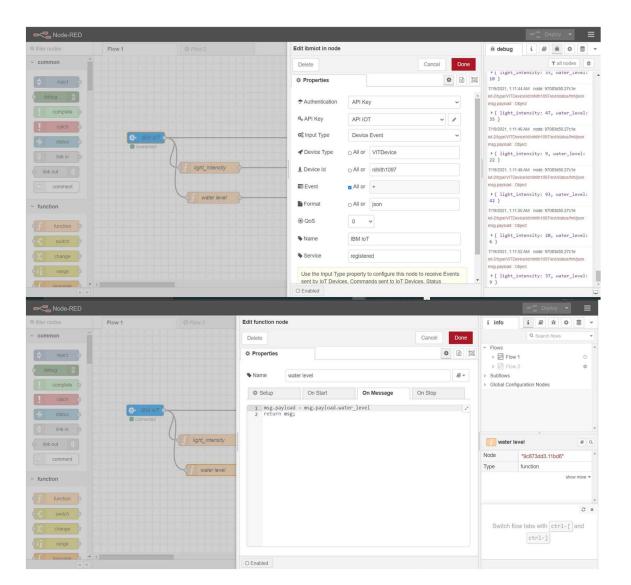
Reg.NO: 19BEC1097

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": "2rqk70",
    "typeId": "VITDevice",
    "deviceId":"nihith1097"
  "auth": {
    "token": "nihith18"
}
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:
  light intensity=random.randint(0,100)
  water level=random.randint(0,100)
  myData={'light intensity':light intensity,'water level':water level}
  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:

```
Pie Edd Shell Debug Option Window Help

Pie Edd Shell Debug Option Window Help

Piblished data Buccessfully: bs ('light, intensity': 13, 'water_level': 48)

Published data Buccessfully: bs ('light, intensity': 75, 'water_level': 5)

Published data Buccessfully: bs ('light, intensity': 6, 'water_level': 48)

Published data Buccessfully: bs ('light, intensity': 6, 'water_level': 30)

Published data Buccessfully: bs ('light, intensity': 75, 'water_level': 30)

Published data Buccessfully: bs ('light, intensity': 75, 'water_level': 30)

Published data Buccessfully: bs ('light, intensity': 77, 'water_level': 78)

Published data Buccessfully: bs ('light, intensity': 77, 'water_level': 29)

Published data Buccessfully: bs ('light, intensity': 77, 'water_level': 20)

Published data Buccessfully: bs ('light, intensity': 77, 'water_level': 20)

Published data Buccessfully: bs ('light, intensity': 77, 'water_level': 20)

Published data Buccessfully: bs ('light, intensity': 20, 'water_level': 20)

Published data Buccessfully: bs ('light, intensity': 20, 'water_level': 20)

Published data Buccessfully: bs ('light, intensity': 20, 'water_level': 48)

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Published data Buccessfully: bs ('light, intensity': 20, 'water_level': 48)

Published data Buccessfully: bs ('light, intensity': 20, 'water_level': 48)

Published data Buccessfully: bs ('light, int
```

