## Assignment-3

S. Vaideeshwaran

18BLC1106

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.

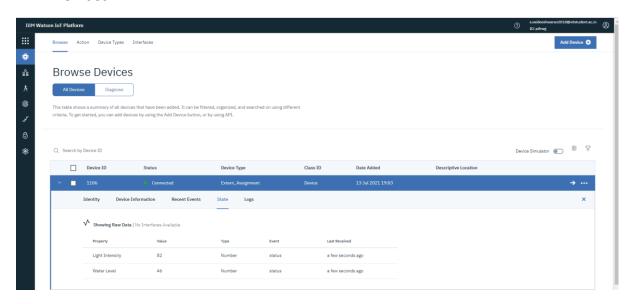
```
Python code:
import wiotp.sdk.device
import time
import random
myConfig = {
  "identity": {
    "orgId": "pifrwg",
    "typeId": "Extern Assignment",
    "deviceId":"1106"
  },
  "auth": {
    "token": "18BLC1106_Externship_Assignment"
  }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
  inten=random.randint(0,125)
  level=random.randint(0,100)
  myData={'Light Intensity':inten, 'Water Level':level}
  client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)
  print("Published data Successfully: %s", myData)
```

#client.commandCallback = myCommandCallback

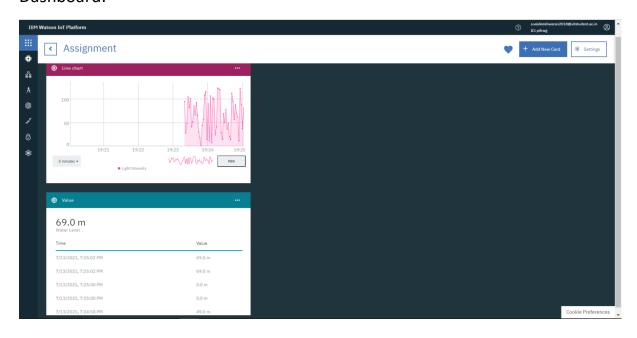
time.sleep(2)

client.disconnect()

## **IBM Devices:**



## Dashboard:



## **Python Shell Output:**

```
IDLE Shell 3.9.5
                                                                                        ×
File Edit Shell Debug Options Window Help
======== RESTART: C:/Python39/code/assignment 3.py =========== ^
2021-07-13 19:16:20,644
                              wiotp.sdk.device.client.DeviceClient INFO
d successfully: d:pifrwg:Extern Assignment:1106
Published data Successfully: %s {'Light Intensity': 31, 'Water Level': 30}
Published data Successfully: %s {'Light Intensity': 84, 'Water Level': 41}
Published data Successfully: %s {'Light Intensity': 78, 'Water Level': 7}
Published data Successfully: %s {'Light Intensity': 6, 'Water Level': 88}
Published data Successfully: %s {'Light Intensity': 88, 'Water Level': 4}
Published data Successfully: %s {'Light Intensity': 74, 'Water Level': 92}
Published data Successfully: %s {'Light Intensity': 28, 'Water Level': 68}
Published data Successfully: %s {'Light Intensity': 41, 'Water Level': 24}
Published data Successfully: %s {'Light Intensity': 26, 'Water Level': 96}
Published data Successfully: %s {'Light Intensity': 68, 'Water Level': 30}
Published data Successfully: %s {'Light Intensity': 63, 'Water Level': 64}
Published data Successfully: %s {'Light Intensity': 29, 'Water Level': 24}
Published data Successfully: %s {'Light Intensity': 46, 'Water Level': 79}
Published data Successfully: %s {'Light Intensity': 21, 'Water Level': 73}
Published data Successfully: %s {'Light Intensity': 60, 'Water Level': 18}
Published data Successfully: %s { Light Intensity: 50, water Level: 16} Published data Successfully: %s {'Light Intensity': 51, 'Water Level': 91} Published data Successfully: %s {'Light Intensity': 31, 'Water Level': 79} Published data Successfully: %s {'Light Intensity': 14, 'Water Level': 91} Published data Successfully: %s {'Light Intensity': 77, 'Water Level': 57} Published data Successfully: %s {'Light Intensity': 112, 'Water Level': 49}
Published data Successfully: %s {'Light Intensity': 30, 'Water Level': 66}
Published data Successfully: %s {'Light Intensity': 122, 'Water Level': 100}
Published data Successfully: %s {'Light Intensity': 23, 'Water Level': 14}
Published data Successfully: %s {'Light Intensity': 87, 'Water Level': 50}
Published data Successfully: %s {'Light Intensity': 107, 'Water Level': 73}
Published data Successfully: %s {'Light Intensity': 9, 'Water Level': 7}
Published data Successfully: %s {'Light Intensity': 35, 'Water Level': 23}
Published data Successfully: %s {'Light Intensity': 85, 'Water Level': 81}
Published data Successfully: %s {'Light Intensity': 28, 'Water Level': 87}
Published data Successfully: %s {'Light Intensity': 8, 'Water Level': 65}
Published data Successfully: %s {'Light Intensity': 66, 'Water Level': 84}
Published data Successfully: %s {'Light Intensity': 46, 'Water Level': 30}
Published data Successfully: %s {'Light Intensity': 39, 'Water Level': 57}
Published data Successfully: %s {'Light Intensity': 55, 'Water Level': 29}
Published data Successfully: %s {'Light Intensity': 29, 'Water Level': 30}
Published data Successfully: %s {'Light Intensity': 52, 'Water Level': 83}
Published data Successfully: %s {'Light Intensity': 18, 'Water Level': 74}
                                                                                          Ln: 575 Col: 4
```