Assignment-3

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Q) 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.

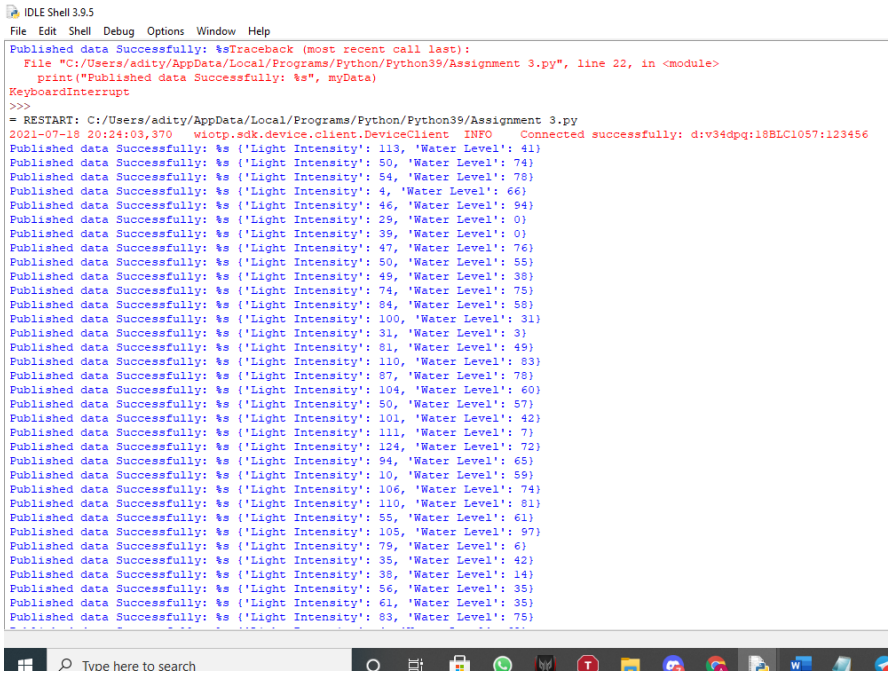
Python code:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "v34dpq",
        "typeId": "18BLC1057",
        "deviceId":"123456"
    },
    "auth": {
        "token": "123456789"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    intensity=random.randint(0,125)
    level=random.randint(0,100)
    myData={'Light Intensity':intensity, 'Water Level':level}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
```

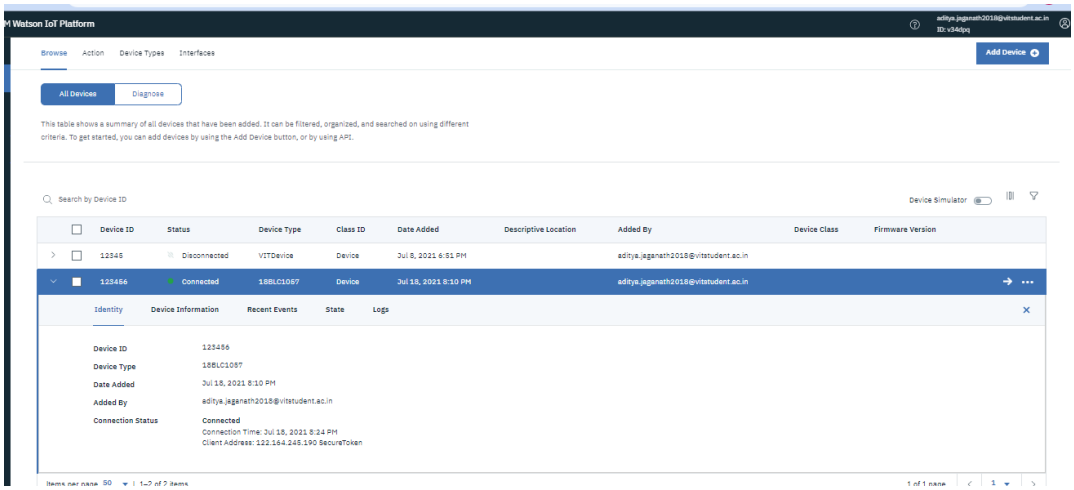
```
    time.sleep(2)

client.disconnect()
```

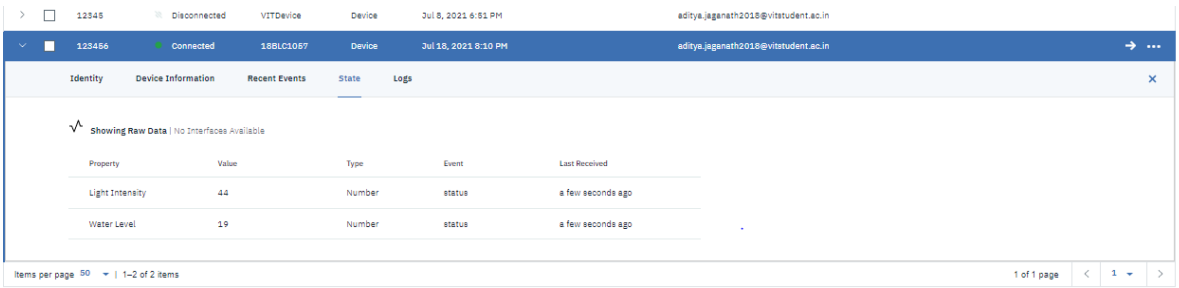
OUTPUT:

Python Shell:

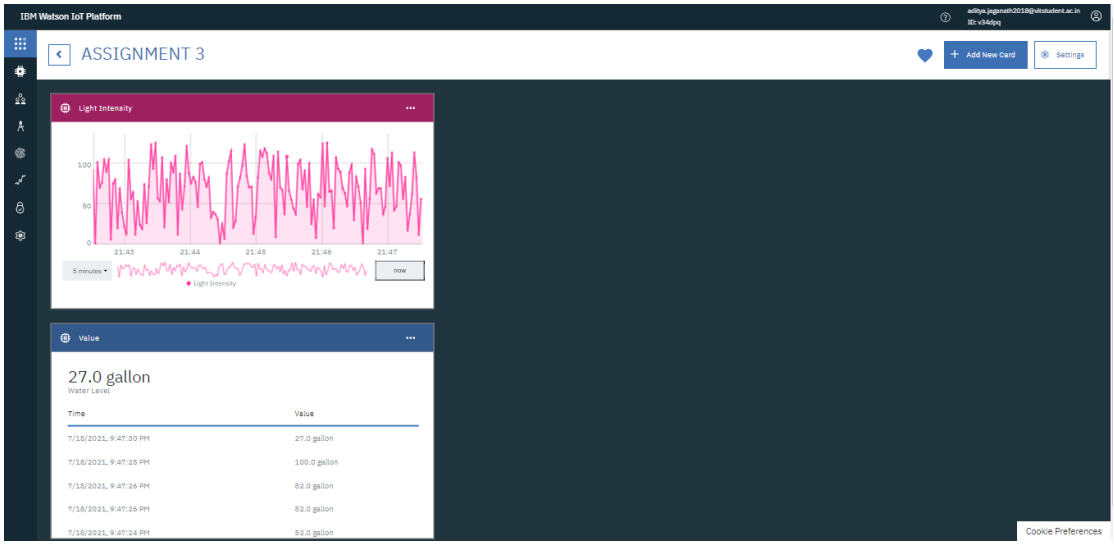


IBM Devices:





Dashboard:


IBM Watson IoT Platform
ASSIGNMENT 3
Add New Card
Settings
Light Intensity
100
50
0
21:43
21:44
21:45
21:46
21:47
5 minutes
now
Light Intensity
Value
27.0 gallon
Water Level
Time
Value
7/18/2021, 9:47:30 PM
27.0 gallon
7/18/2021, 9:47:28 PM
100.0 gallon
7/18/2021, 9:47:26 PM
82.0 gallon
7/18/2021, 9:47:26 PM
82.0 gallon
7/18/2021, 9:47:24 PM
82.0 gallon
Cookie Preferences