SmartBridge Externship Program Internet of Things

Assignment 3

Name: Jaishree Sharma

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": "hhqymq",
    "typeId": "ONEDevice",
    "deviceId":"123"
  },
  "auth": {
    "token": "12345678"
  }
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:
    water=random.randint(0,1000)
    intensity=random.randint(100,2000)
    myData={'Water level in meter':water, 'Light intensity in lux':intensity}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
    onPublish=None)
    print(myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
    client.disconnect()
```

Output:









