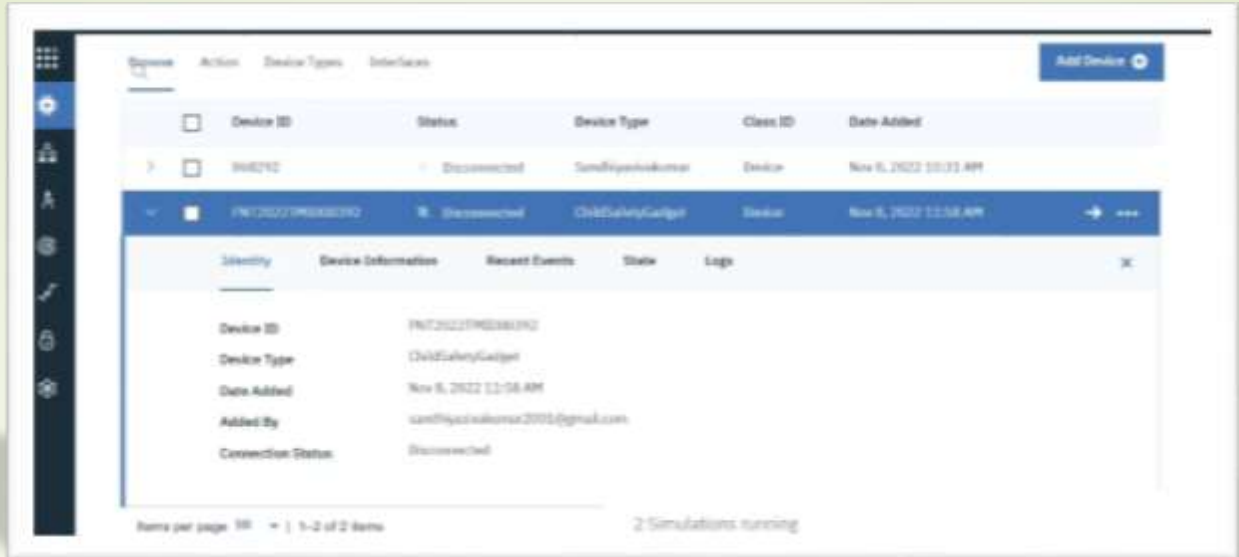# SPRINT 4

Interfacing:

Python code:

```python
import json
import wiotp.sdk.device
import time
myConfig={
    "identity":{
        "orgId": "90t0p8",
        "typeId": "ChildSafetyGadget",
        "deviceId": "PNT2022TMID00392"

    },
        "auth": {
            "token": "2zdfvRDye5(b1qFQpb"

        }
}
```

```
client = wiotp.sdk.device.DeviceClient (config=myConfig, logHandlers=None)
client.connect()


while True:
    name= "Smartbridge"

    latitude = 17.4219272

    longitude =78.5400783

    myData = {'name':name, 'lat':latitude, 'lon': longitude}

    client.publishEvent (eventId="status", msgFormat="json", data=myData,
qos=0, onPublish=None)

    print ("Data published to IBM IoT platfrom: ",myData)

    time.sleep(5)


client.disconnect()
```
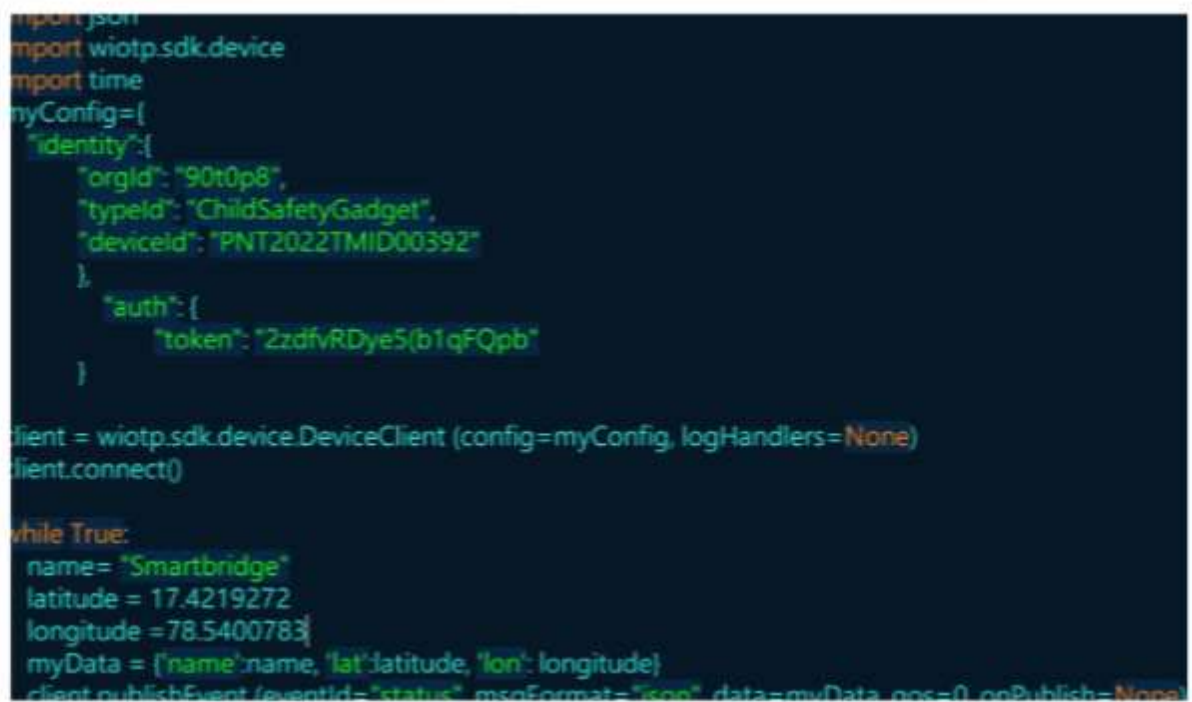
```
print ("Data published to IBM IoT platfrom: ",myData)
time.sleep(5)

client.disconnect()
```

Python Shell:

```
A  Edit  Shell  Debug  Options  Window  Help
ython 3.7.4 (tags/v3.7.4:e09359112e, Jul  8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
ype "help", "copyright", "credits" or "license()" for more information.
>>
====== RESTART: C:\Users\sandh\Downloads\ibm\python code\trailcode.py ======
022-11-08 18:41:08,142  wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:90t0p8:ChildSafetyGadget:P
T2022TMID00392
ata published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5400783)
ata published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5400783)
ata published to IBM IoT platfrom: ('name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5400783)
```

IBM Watson Code:

IBM Watson Output: