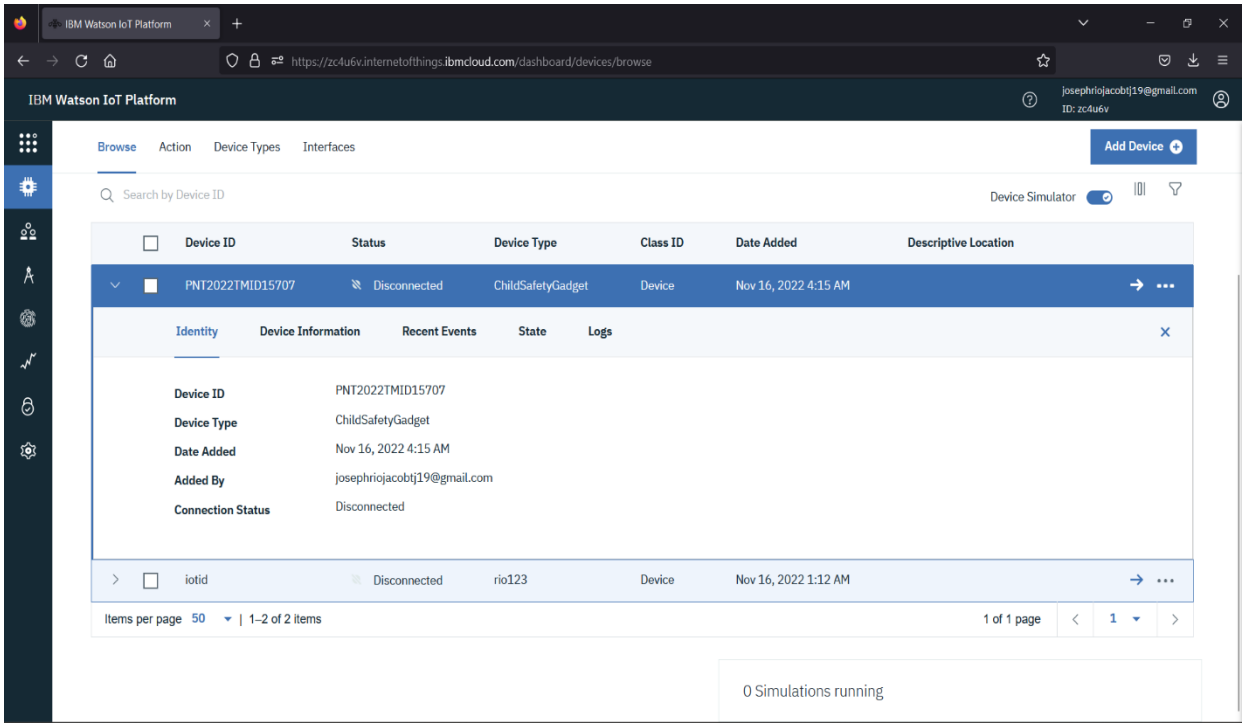
SPRINT 4

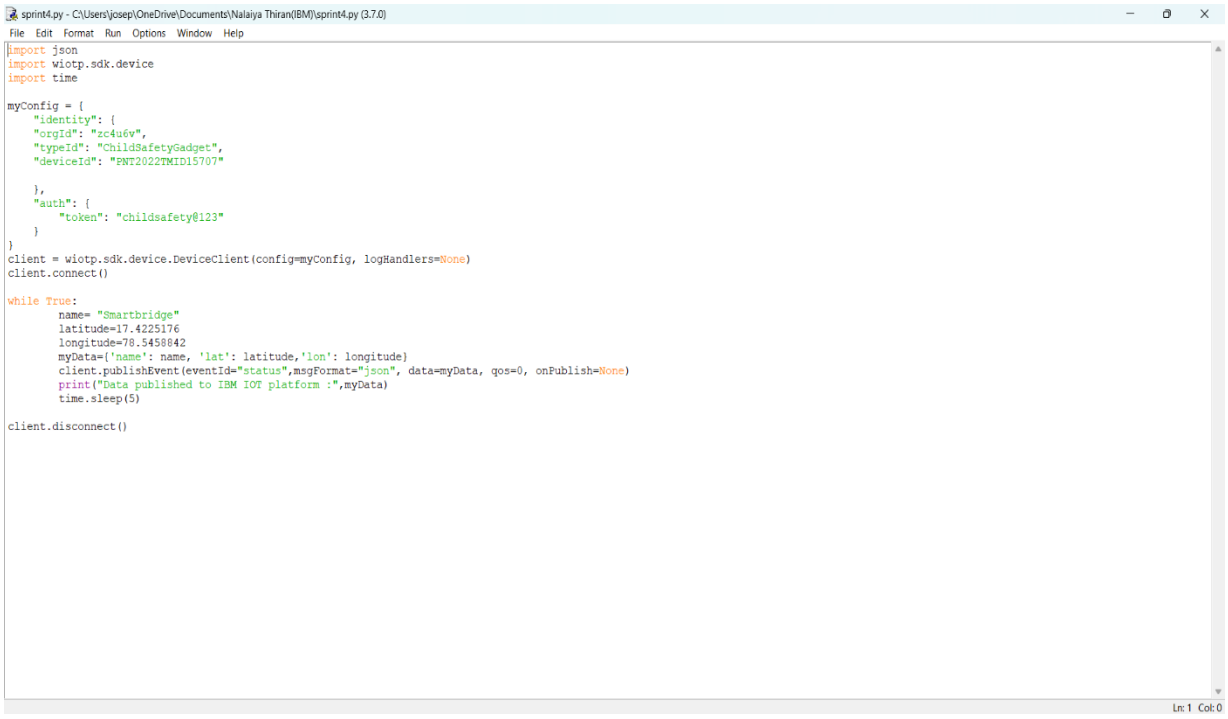
Interfacing:



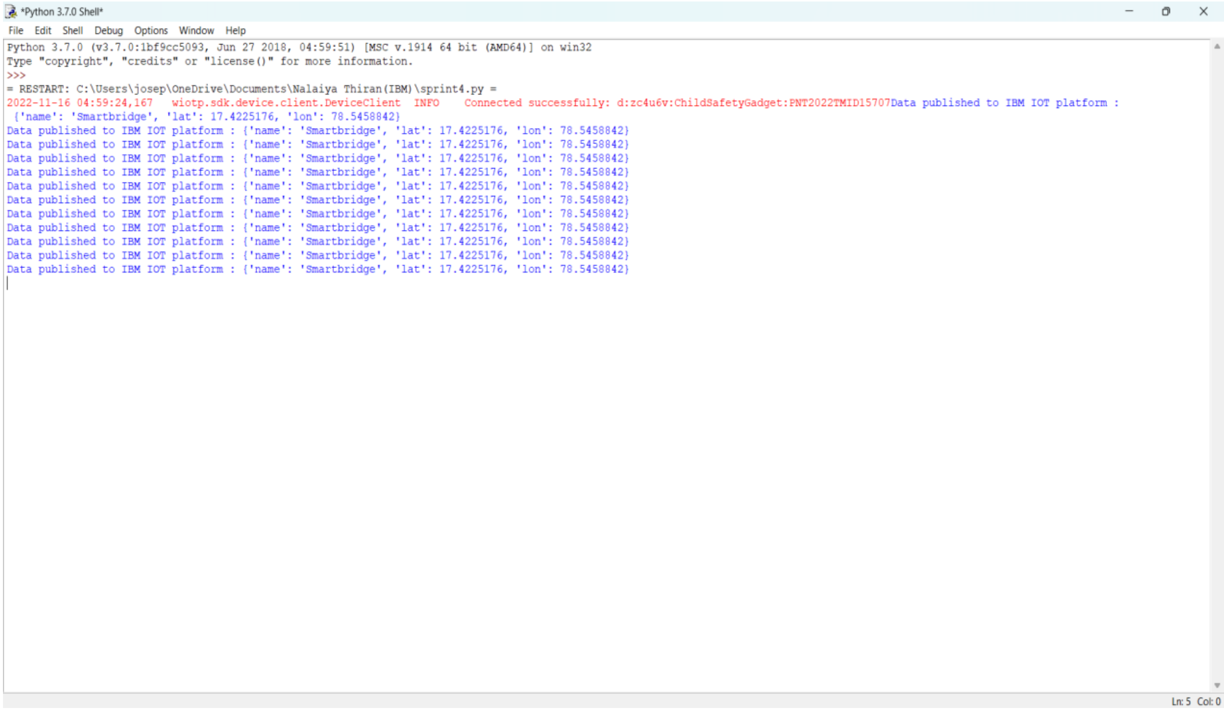
Python code:

```
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity": {
    "orgId": "zc4u6v",
    "typeId": "ChildSafetyGadget",
    "deviceId": "PNT2022TMID15707"

    },
    "auth": {
```

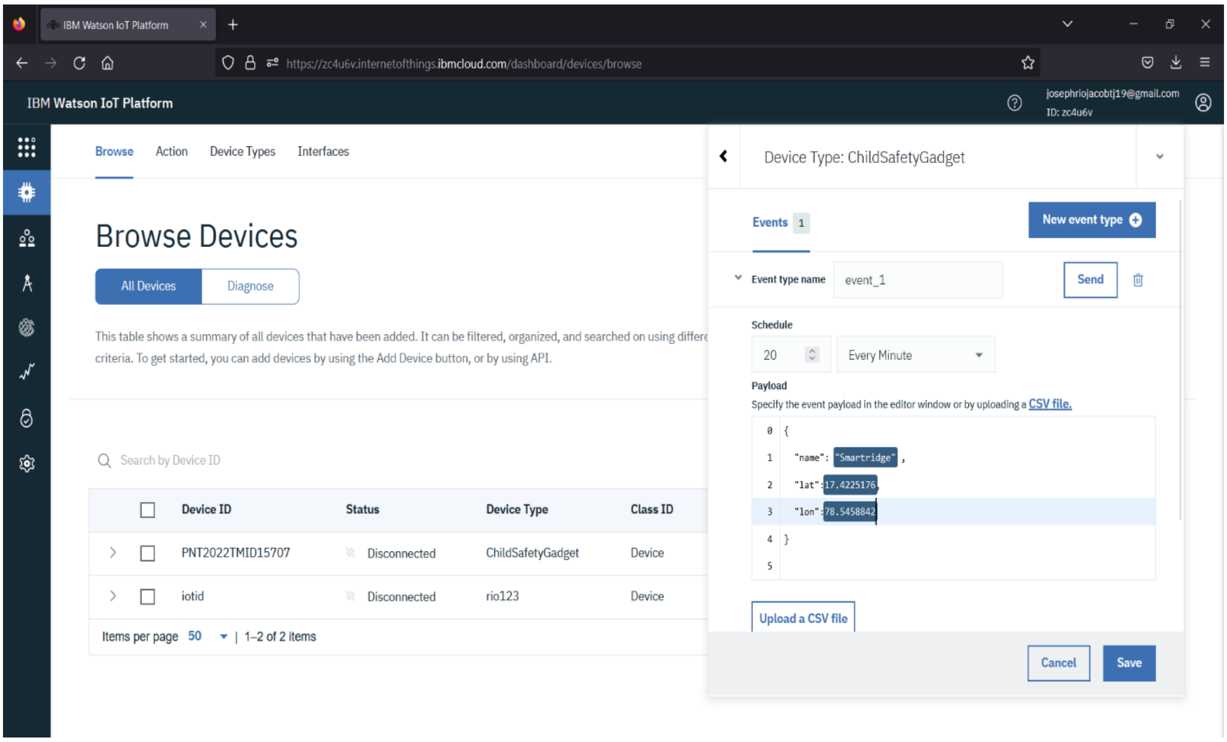
```
        "token": "childsafety@123"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
        name= "Smartbridge"
        latitude=17.4225176
        longitude=78.5458842
        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 platform :",myData)
        time.sleep(5)

client.disconnect()
```



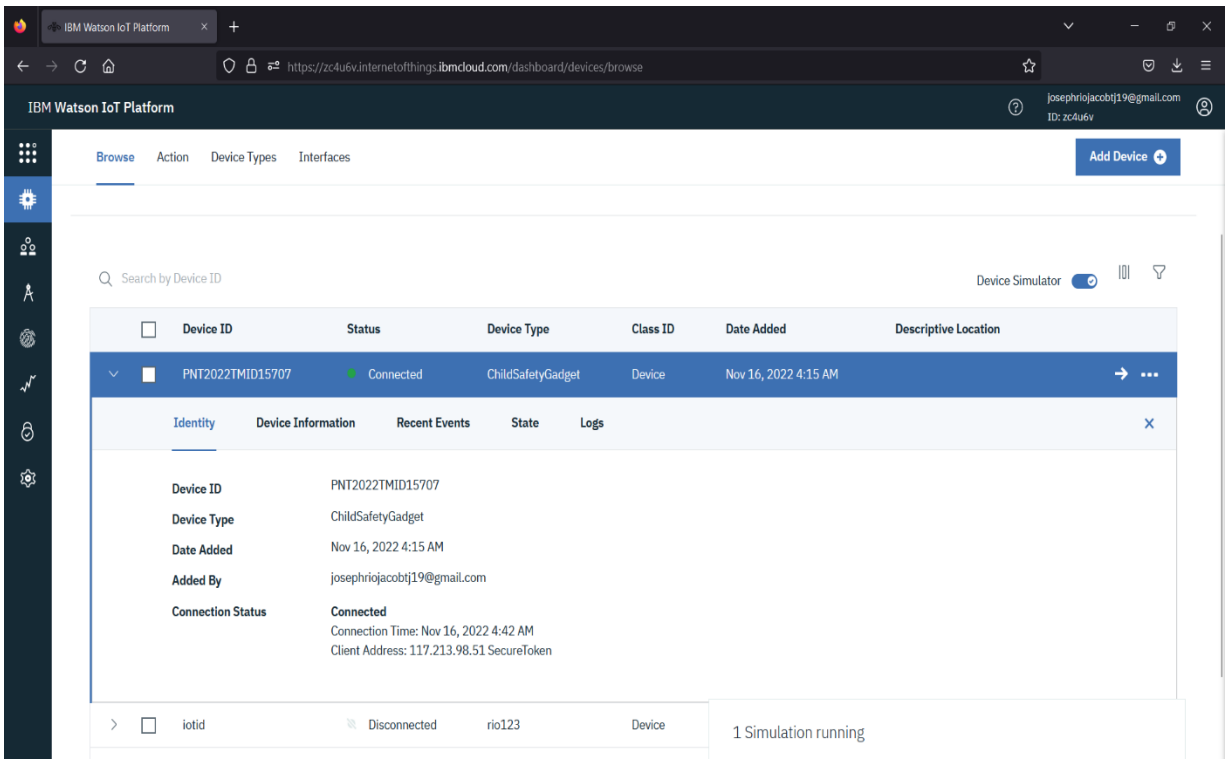
Python Shell:

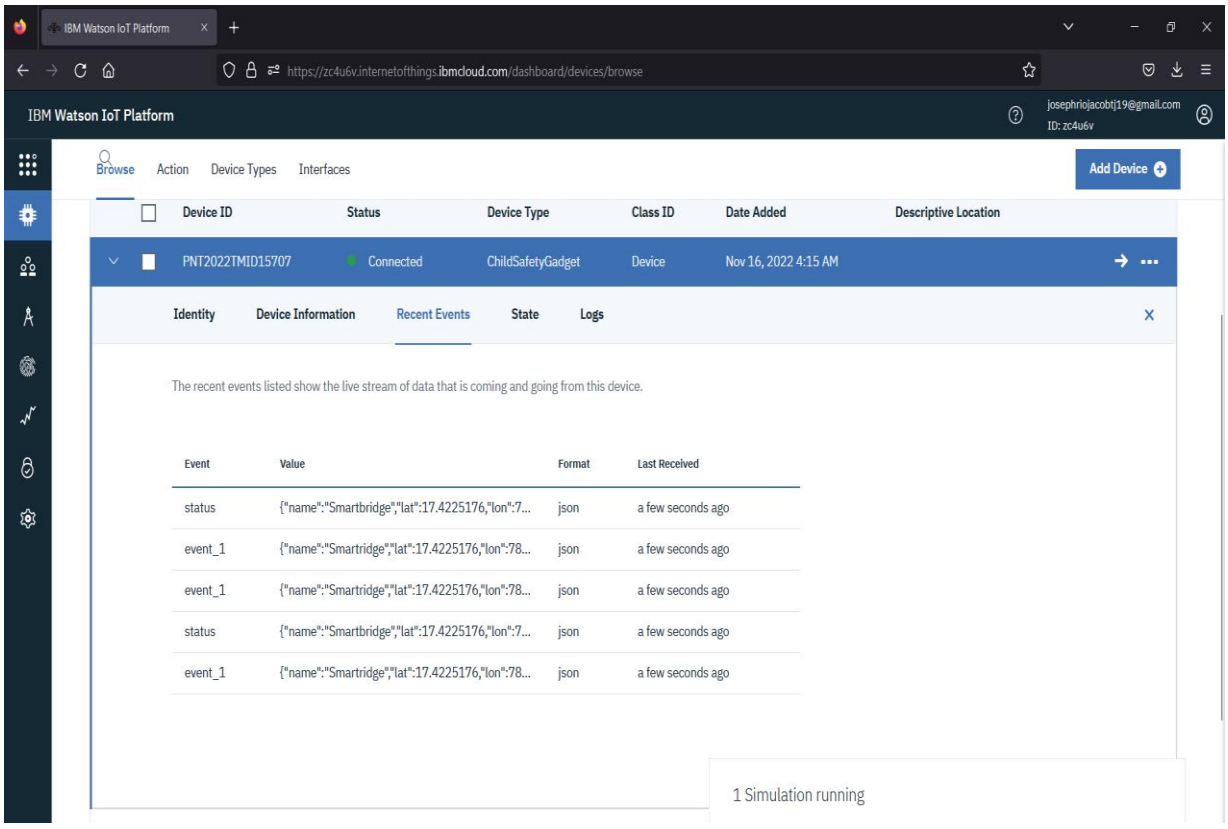


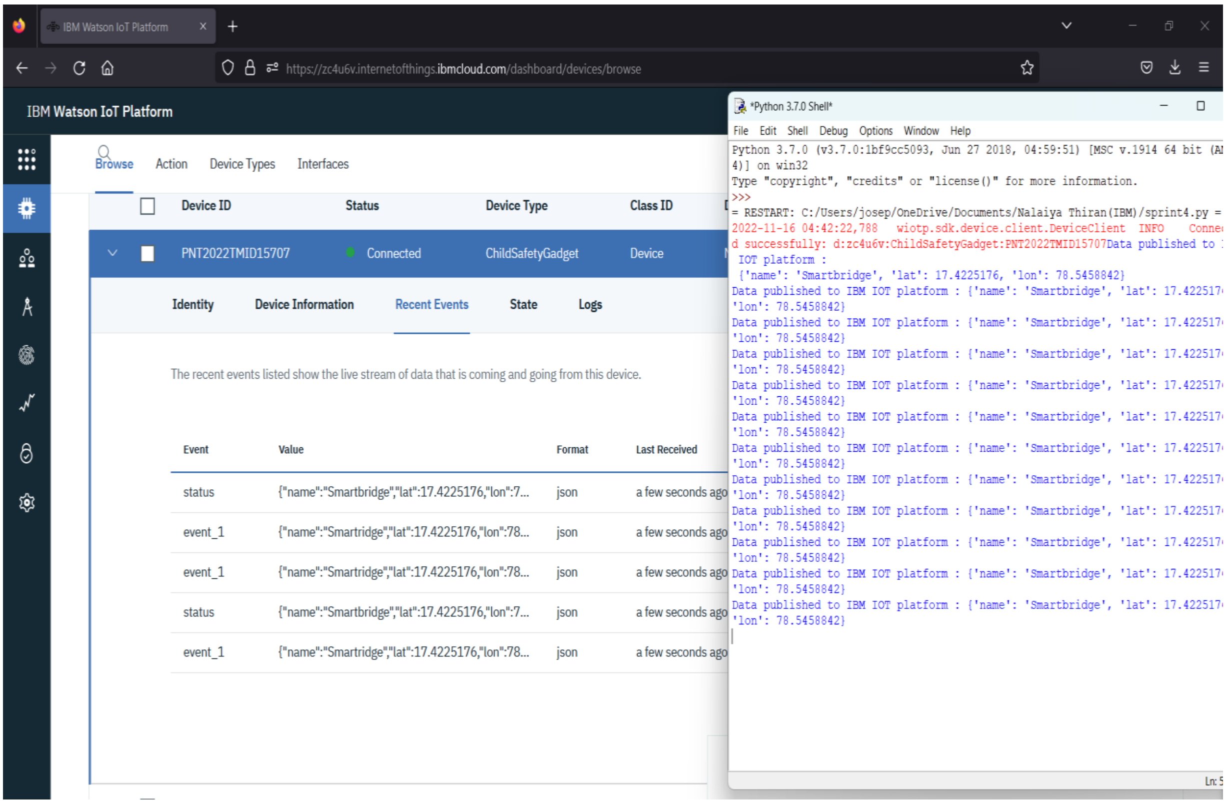
IBM Watson Code:



IBM Watson Output:






IBM Watson IoT Platform
https://zc4u6v.internetofthings.ibmcloud.com/dashboard/devices/browse
Browse
Action
Device Types
Interfaces
Device ID
Status
Device Type
Class ID
PNT2022TMID15707
Connected
ChildSafetyGadget
Device
Identity
Device Information
Recent Events
State
Logs
The recent events listed show the live stream of data that is coming and going from this device.
Event
Value
Format
Last Received
status
{"name":"Smartbridge","lat":17.4225176,"lon":7...
json
a few seconds ago
event_1
{"name":"Smartbridge","lat":17.4225176,"lon":78...
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AM
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/josep/OneDrive/Documents/Nalaiya Thiran(IBM)/sprint4.py =
2022-11-16 04:42:22,788 wiotp.sdk.device.client.DeviceClient INFO Conne
d successfully: d:zc4u6v:ChildSafetyGadget:PNT2022TMID15707Data published to I
IOT platform :
{'name': 'Smartbridge', 'lat': 17.4225176, 'lon': 78.5458842}
Data published to IBM IOT platform : {'name': 'Smartbridge', 'lat': 17.422517
'lon': 78.5458842}