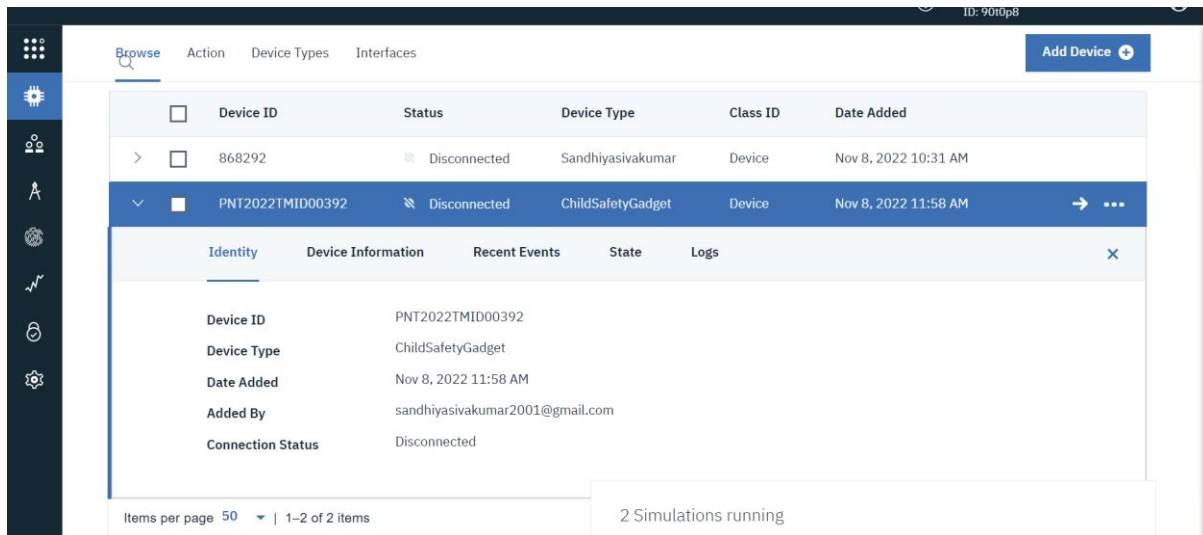


SPRINT 4

Interfacing:



Python code:

```
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()
```

```
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)
```

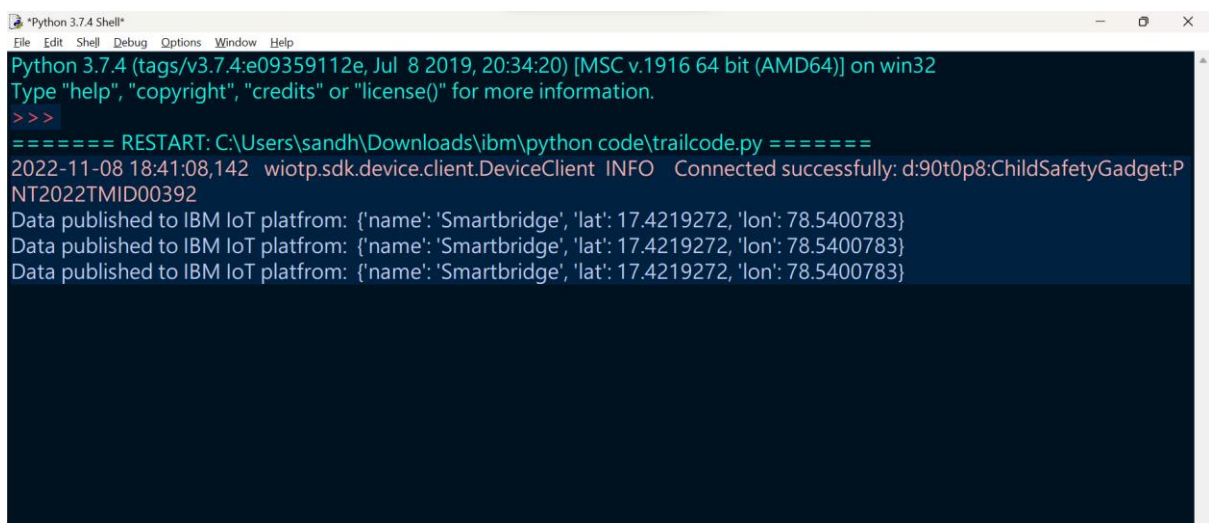
```

client.publishEvent(eventId="status",msgformat="json",data=
print ("Data published to IBM IoT platform:",myData)
time.sleep(5)

client.disconnect()

```

Python Shell:

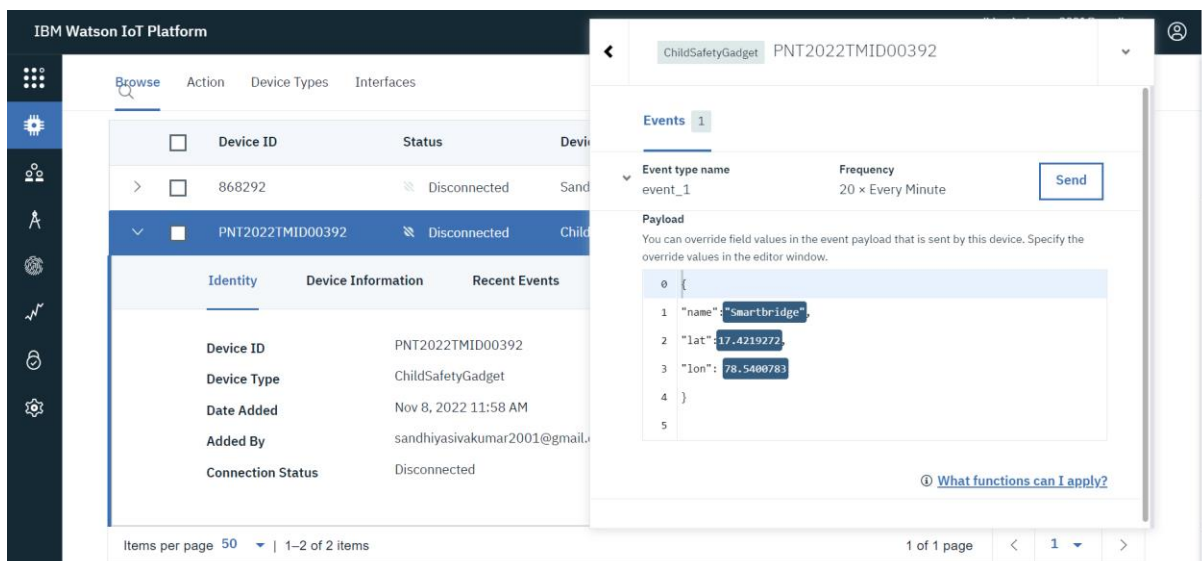


```

Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\sandh\Downloads\ibm\python code\trailcode.py =====
2022-11-08 18:41:08,142 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:90t0p8:ChildSafetyGadget:P
NT2022TMID00392
Data published to IBM IoT platform: {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5400783}
Data published to IBM IoT platform: {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5400783}
Data published to IBM IoT platform: {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5400783}

```

IBM Watson Code:



IBM Watson IoT Platform

Browse Action Device Types Interfaces

Device ID	Status	Device Type
868292	Disconnected	Sandh
PNT2022TMID00392	Disconnected	ChildSafetyGadget

Identity Device Information Recent Events

Device ID: PNT2022TMID00392

Device Type: ChildSafetyGadget

Date Added: Nov 8, 2022 11:58 AM

Added By: sandhiyasivakumar2001@gmail.com

Connection Status: Disconnected

ChildSafetyGadget PNT2022TMID00392

Events 1

Event type name: event_1 Frequency: 20 x Every Minute Send

Payload

You can override field values in the event payload that is sent by this device. Specify the override values in the editor window.

```

0 {
1  "name": "Smartbridge",
2  "lat": 17.4219272,
3  "lon": 78.5400783,
4  }
5

```

What functions can I apply?

Items per page 50 | 1-2 of 2 items

1 of 1 page

IBM Watson Output:

▼

PNT2022TMID00392

Connected

ChildSafetyGadget

Device

Nov 8, 2022 11:58 AM

→

...

Identity

Device Information

Recent Events

State

Logs

×

Device ID

PNT2022TMID00392

Device Type

ChildSafetyGadget

Date Added

Nov 8, 2022 11:58 AM

Added By

sandhiyasivakumar2001@gmail.com

Connection Status

Connected

Connection Time: Nov 8, 2022 6:41 PM

Client Address: 49.37.217.46 SecureToken

IBM Watson IoT Platform

?

sandhiyasivakumar2001@gmail.com

ID: 90f0p8

?

⌵

▼

PNT2022TMID00392

Connected

ChildSafetyGadget

Device

Nov 8, 2022 11:58 AM

→

...

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":17.4219272,"lon":7...	json	a few seconds ago
status	{"name":"Smartbridge","lat":17.4219272,"lon":7...	json	a few seconds ago
status	{"name":"Smartbridge","lat":17.4219272,"lon":7...	json	a few seconds ago
status	{"name":"Smartbridge","lat":17.4219272,"lon":7...	json	a few seconds ago
status	{"name":"Smartbridge","lat":17.4219272,"lon":7...	json	a few seconds ago