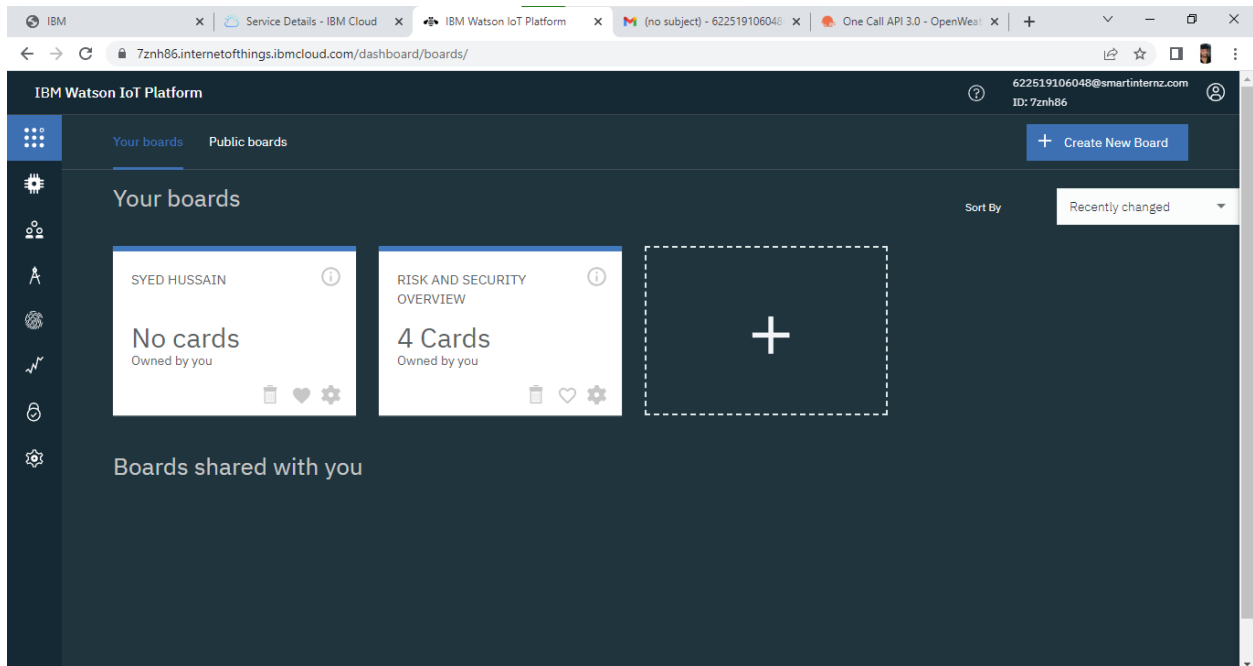
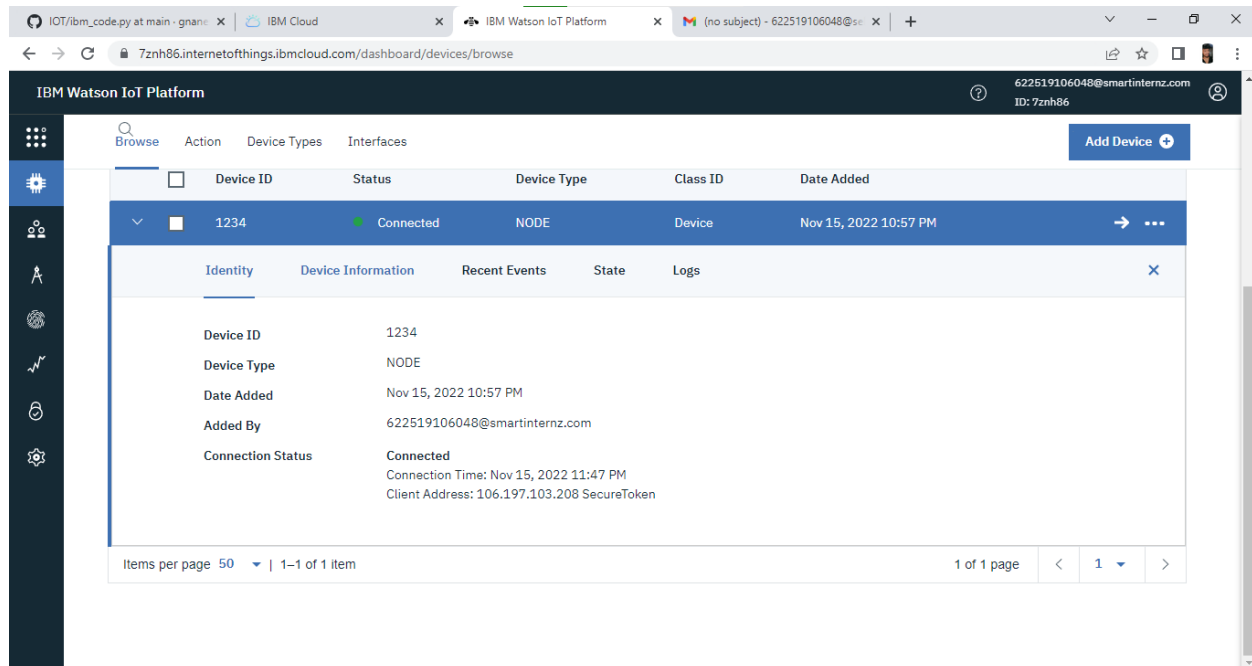


# Publish Data To The IBM Cloud

<b>Date</b>	12 September 2022
<b>Team ID</b>	PNT2022TMID41963
<b>Project Name</b>	Signs with Smart Connectivity for Better Road Safety
<b>Maximum Marks</b>	4 Marks

## Signs with Smart Connectivity for Better Road Safety





## Python Code:

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "7znh86",
```

```
        "typeId": "NODE",
```

```
        "deviceId": "1234"
```

```
    },
```

```
    "auth": {
```

```
        "token": "123456789"
```

```
    }
```

```
}
```

```
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:  
    temp=random.randint(-20,125)  
    hum=random.randint(0,100)  
    myData={'temperature':temp, 'humidity':hum}  
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,  
onPublish=None)  
    print("Published data Successfully: %s", myData)  
    client.commandCallback = myCommandCallback  
    time.sleep(2)  
client.disconnect()
```

**Output:**

```
Python 3.6.5 Shell
File Edit Shell Debug Options Window Help

Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/pc/AppData/Local/Programs/Python/Python36-32/PYTHON CODE.py
2022-11-15 23:47:29,154 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:7znh86:NODE:1234Published data Successfully: %s
('temperature': 114, 'humidity': 72)
Published data Successfully: %s ('temperature': 62, 'humidity': 15)
Published data Successfully: %s ('temperature': 30, 'humidity': 91)
Published data Successfully: %s ('temperature': 36, 'humidity': 96)
Published data Successfully: %s ('temperature': 22, 'humidity': 33)
Published data Successfully: %s ('temperature': 42, 'humidity': 63)
Published data Successfully: %s ('temperature': 36, 'humidity': 32)
Published data Successfully: %s ('temperature': -15, 'humidity': 63)
Published data Successfully: %s ('temperature': 56, 'humidity': 53)
Published data Successfully: %s ('temperature': 59, 'humidity': 36)
Published data Successfully: %s ('temperature': 89, 'humidity': 89)
|
```

Ln: 16 Col: 0

IBM Watson IoT Platform

622519106048@smartinternz.com  
ID: 7znh86

Browse Action Device Types Interfaces Add Device +

1234 Connected NODE Device Nov 15, 2022 10:57 PM

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	{"temperature":98,"humidity":20}	json	a few seconds ago
status	{"temperature":102,"humidity":39}	json	a few seconds ago
status	{"temperature":101,"humidity":81}	json	a few seconds ago
status	{"temperature":18,"humidity":29}	json	a few seconds ago
status	{"temperature":86,"humidity":85}	json	a few seconds ago

