Develop the python script

Publish data to the IBM Cloud

Date	09 November 2022
Team id	PNT2022TMID51225
Project name	Signs with smart connectivity for better
	road safety

To make a publisher and subscriber in the process of python and IBM cloud:

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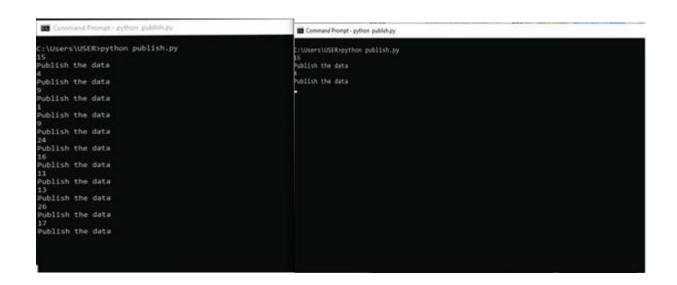
def on subscribe(client, usrdata, mmd):
    print("subscribe"; str(mad) = str(mated qos))

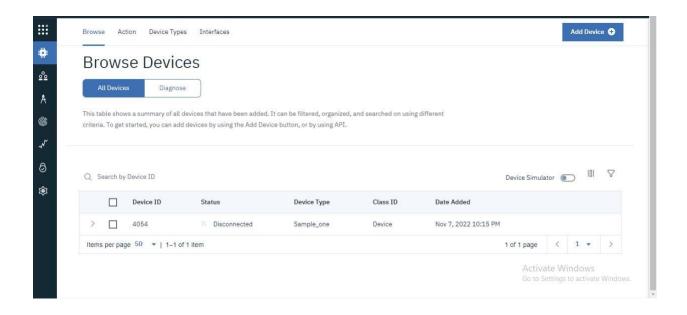
def on messags(client, usrdata, mmg):
    print(mag. topic=""str(mag.qos)=""str(mag.payload))

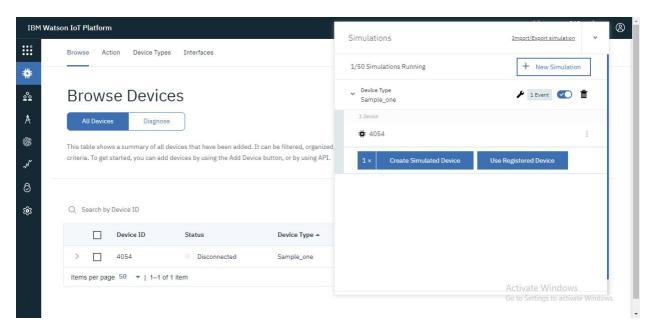
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    client.on message on message
    client.on message on message
    client.onscribe("tot", qos=1)

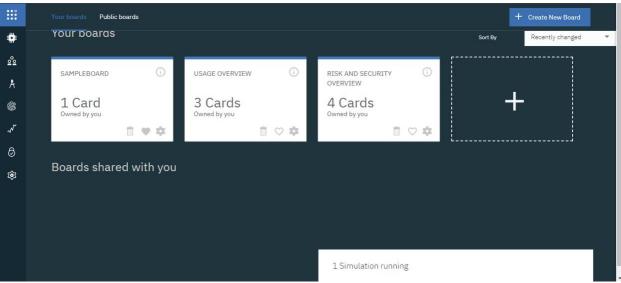
olient.subscribe("tot", qos=1)

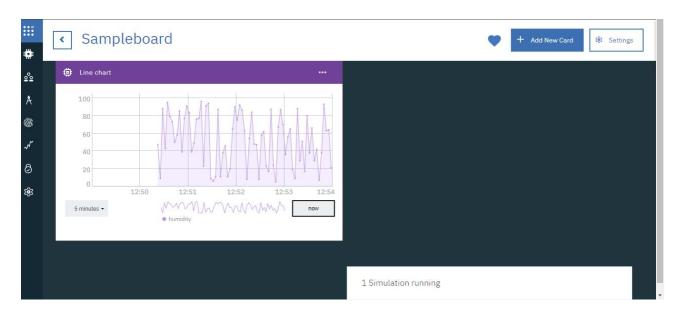
olient.loo_Torever()
```











CODING:

```
#IBM WatsonIoT Platform
```

import wiotp.sdk.device

import time

```
import random
```

```
myConfig = {
```

"identity": {

"orgId": "hj5fmy",

"typeId": "NodeMCU",

"deviceId":"12345"

},

"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:

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()
```