Publish Data to IBM cloud

Date	14 Monday 2022
Team ID	PNT2022TMID20032
Project Name	Signs with Smart Connectivity for
	Better RoadSafety

Python Code

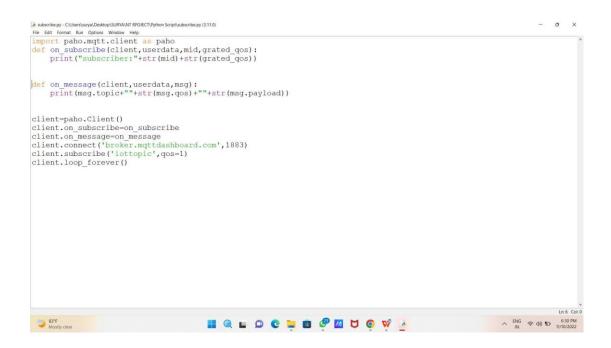
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Import pathon. mgtt.client as paho
import time
import random

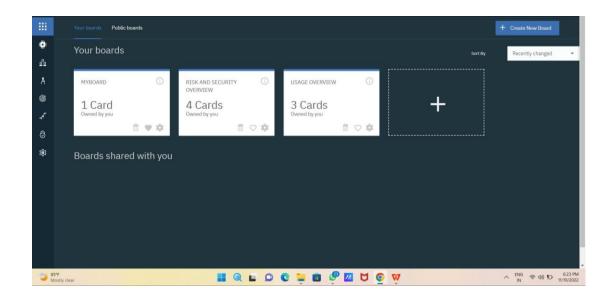
def on_publish(client,usrdata,mid):
    print("Publish the data")

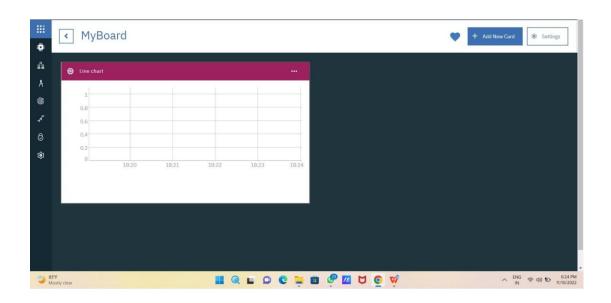
client=paho.Client()
client.on_publish=on_publish
client.connect('broker.Mgttdashboard.com',1883)
client.loop_start()
while True:
    temp=random.randint(1,30)
    (re, mid)=client.publish('iottopic',str(temp),qos=1)
    print(temp)
    time.sleep(1)
```



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#IBM Watson IOT Platform

#pip install wiotp-sdk import
wiotp.sdk.device import
wiotp.sdk.application import
time import random
myConfig = {
    "identity": {
        "orgld": "doh4hr",
        "typeld": "NodeMCU",
        "deviceld":"12345" },
        "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()
```