SPRINT - 3

Date	18 November 2022
Team ID	PNT2022TMID50604
Project Name	Personal Assistance for Seniors Who Are Self- Reliant.

Developing Python code to retrieve data from cloudant DB to send data to IoT device at the appropriate time.

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

myConfig = {
 "identity": {
     "orgId": "mni3qc",
     "typeId": "medicine",
     "deviceId": "123456"
   },
   "auth": {
     "token": "paul@123"
   }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "mani"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time':
    medicinetime}
client.publishEvent("IoTSensor", "json", data=mydata, qos=0,
onPublish=None)
print("Data published to IBM IOT platform :", mydata)
time.sleep(5)
client.disconnect()
```

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import wiotp.sdk.device
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    "identity": {
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for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "mani"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient  Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("IoTSensor", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
client.disconnect()
```

```
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\91637\Downloads\temp.py =================
2022-11-16 15:50:06,267   wiotp.sdk.device.client.DeviceClient  INFO    Connected successfully: d:mni3qc:medicine:123456
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Asthalin', 'Time': 5.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Azithral', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Sinarest', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Azithral', 'Time': 18.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Aspirine', 'Time': 1.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Aspirine', 'Time': 5.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Paracetamol', 'Time': 20.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Azithral', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Asthalin', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Sinarest', 'Time': 1.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Asthalin', 'Time': 5.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Aspirine', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Sinarest', 'Time': 1.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Sinarest', 'Time': 5.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Sinarest', 'Time': 20.0}
Data published to IBM IOT platform : {'Patient  Name': 'mani', 'Medicine Name': 'Paracetamol', 'Time': 2.0}
```

Add Device +

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
IoTSensor	{"Patient Name":"mani","Medicine Name":"Azithr...	json	10 minutes ago
IoTSensor	{"Patient Name":"mani","Medicine Name":"Aspiri...	json	11 minutes ago
IoTSensor	{"Patient Name":"mani","Medicine Name":"Parac...	json	11 minutes ago
IoTSensor	{"Patient Name":"mani","Medicine Name":"Parac...	json	11 minutes ago
IoTSensor	{"Patient Name":"mani","Medicine Name":"Parac...	json	11 minutes ago

0 Simulations running

pycharm-professio....exe
187/470 MB, 10 mins left

Show all   ✕