SPRINT - 3

Team ID	PNT2022TMID49881	
Project Name	Personal Assistance for Seniors Who AreSelf 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
import time
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myConfig = {
    "identity": {
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for i in range(0,20):
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    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   ✕