

PROJECT DEVELOPMENT PHASE

SPRINT 4

PYTHON SCRIPT FOR MEDICINE REMAINDER

TEAM ID	PNT2022TMID39429
PROJECT TITLE	PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT

STEP 1:

PYTHON CODE FOR MEDICINE REMAINDER

```
import json

import wiotp.sdk.device

import time

import random

myConfig = {

    "identity": {

        "orgId": "tboyb4",

        "typeId": "medicineremainder",

        "deviceId": "19171603"

    },

    "auth": {

        "token": "12345678"

    }

}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
```

```
client.connect()
```

```
for i in range(0,20):
```

```
    tablet=["Amlodipine
```

```
Besylate","Azithromycin","Metformin","Amoxicillin","Cetirizine"]
```

```
    med icine time=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
```

```
    name = "Rajammal"
```

```
    medicine=random.choice(tablet)
```

```
    med icine time=random.choice(medicinetime)
```

```
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time':  
med icine time}
```

```
    client.publishEvent("IoTSensor", "json", data=mydata, qos=0,  
onPublish=None)
```

```
    print("Data published to IBM IOT platform :", mydata)
```

```
    time.sleep(5)
```

```
client.disconnect()
```

STEP 2:

PYTHON CODE IN PYTHON SHELL 3.7.0



```
med icine time.py - C:\Users\GICOT\Desktop\med icine time.py (3.7.0)
File Edit Format Run Options Window Help
import json
import time
import random
myConfig = {
    "clientId": " ",
    "orgId": "orgId",
    "apiKey": "xxxxxxxxxxxx",
    "clientId": "GICOT"
}
"auth": {
    "token": "xxxxxx"
}
}
client = mqtt.Client.DeviceClient(myConfig, logHandler=None)
client.connect()
for i in range(0,20):
    tablet=["Amoxicillin","Azithromycin","Amlodipine Besylate","Cetirizine","Metformin"]
    med icine time=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "Rajammal"
    medicine=random.choice(tablet)
    med icine time=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': med icine time}
    client.publishEvent("IoTSensor", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
client.disconnect()
```

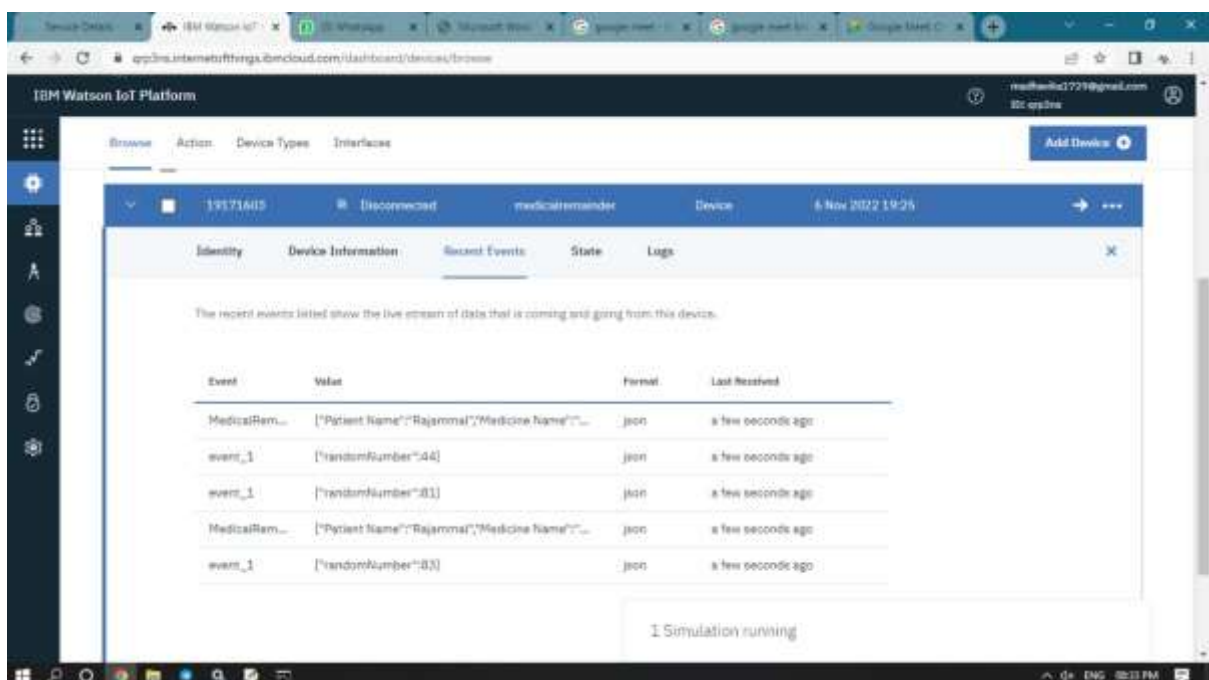
STEP 3:

OUTPUT FOR PYTHON CODE

```
Python3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 [tags.7.01b16ec5093, Jun 27 2018, 04:19:51] [AMD64] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/ELCOT/Documenta/medicalreminder.py =====
2022-11-06 20:27:42.157  success:sdg.DeviceClient.DeviceClient INFO Connected successfully! scriptname:medicalreminder.pyData published to IBM IoT platform :
({'Patient Name': 'Rajammal', 'Medicine Name': 'Cellulazine', 'Time': 5.0})
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Aspirin', 'Time': 12.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Acetodipine Seaglate', 'Time': 18.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Acetodipine Seaglate', 'Time': 7.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Cellulazine', 'Time': 3.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Cellulazine', 'Time': 10.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Amoxicillin', 'Time': 7.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Cellulazine', 'Time': 6.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Aspirin', 'Time': 12.0}
Data published to IBM IoT platform : {'Patient Name': 'Rajammal', 'Medicine Name': 'Aspirin', 'Time': 12.0}
```

STEP 4:

PYTHON CODE CONNECTED TO IBM WATSON IOT PLATFORM



OUTPUT IS DISPLAYED IN IBM PLATFORM

