

SPRINT - 3

Date	12 November 2022
Team ID	PNT2022TMID42447
Project Name	Personal Assistance for Seniors Who Are Self- Reliant.

1. Python code for random medicine and time generating :

```
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()
```

temp.py - C:\Users\91637\Downloads\temp.py (3.7.4)

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

myConfig = {
    "identity": {
        "orgId": "dmani3gc",
        "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()
```

Python 3.7.4 Shell

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Python 3.7.4 (tags/v3.7.4:009359112e, 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: dmani3gc: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}
```

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Browse

Action

Device Types

Interfaces

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

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