

## SPRINT - 3

Date	12 November 2022
Team ID	PNT2022TMID23999
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": "mni3gc",
        "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/v3.7.4:09359112e, 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:mni3gc: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}
```

IBM x IBM-E x IBM-P x esp32 x Node x IBM A x IBM V x Q Wi x MIT A x Down x DEVE x

9a7os9.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

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ID: 9a7os9

Browse Action Device Types Interfaces

Add Device

Identity Device Information Recent Events State Logs

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":"Sinar...	json	a few seconds ago
IoTSensor	{"Patient Name":"mani","Medicine Name":"Parac...	json	4 minutes ago
event_1	{"randomNumber":86}	json	5 minutes ago
event_1	{"randomNumber":53}	json	5 minutes ago
event_1	{"randomNumber":19}	json	5 minutes ago

1 Simulation running

Type here to search

28°C Partly sunny 03:07 PM 18-11-2022

