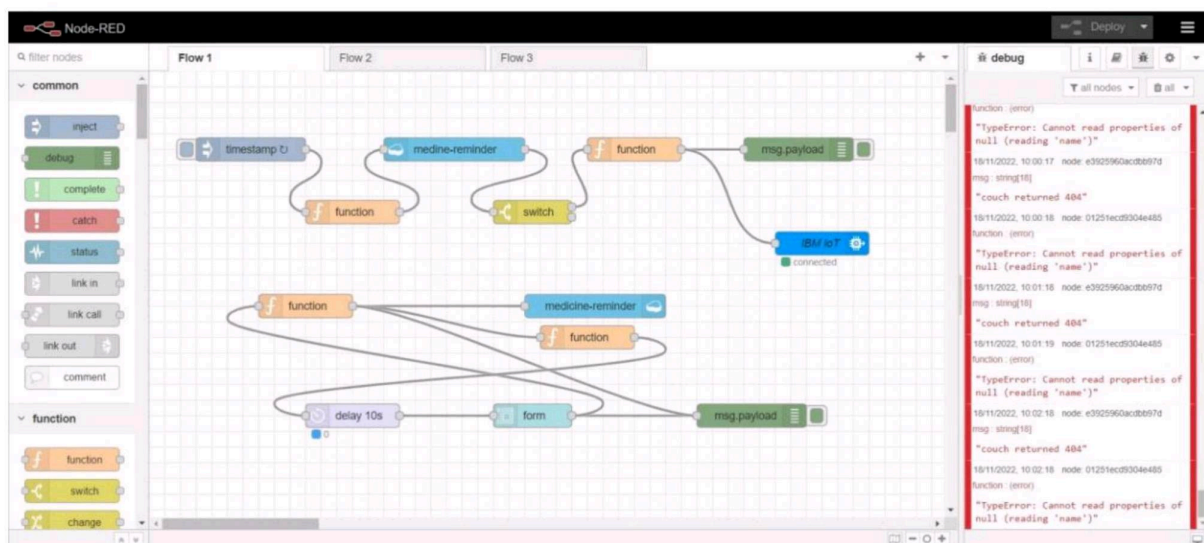


## SPRINT-4

DATE	18 NOVEMBER 2022
TEAM ID	PNT2022TMID13442
PROJECT NAME	PROJECT-PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT
MAXIMUM MARKS	20 MARKS

### NODE RED:



Medicine

Medicine Reminder

Enter the Medicine \*

parectamol

Time(HH:MM)24hrs \*

12:30

Date(DD-MM-YYYY) \*

19-11-2022

SUBMIT

CANCEL

medicine-reminder

Document ID

Options

{ } JSON

🔔

Create Document

Table			Metadata	{ } JSON	🔔
id	key	value			
<input type="checkbox"/>	134199d53807a877f40ae2025f553c02	134199d53807a877f40ae2025f553c02	{ "rev": "1-fe4514d671158a4670ef7be4a3d85..." }		
<input type="checkbox"/>	3b9bb0b473299448bef272a40319f79f	3b9bb0b473299448bef272a40319f79f	{ "rev": "1-568d5b26235f716300b3896bdf16..." }		
<input type="checkbox"/>	3b9bb0b473299448bef272a403200b66	3b9bb0b473299448bef272a403200b66	{ "rev": "1-4315b07a833ccdf5a7a3a00ceecf0..." }		
<input type="checkbox"/>	3b9bb0b473299448bef272a40322a35b	3b9bb0b473299448bef272a40322a35b	{ "rev": "1-81ac8fb46c6f5bd00a9d3b7f281a5c..." }		
<input type="checkbox"/>	4248a3a9ea02a27a141ec470276c0864	4248a3a9ea02a27a141ec470276c0864	{ "rev": "1-ce1fe9eb3fb0f42da7c0cc5bec58a9..." }		
<input type="checkbox"/>	51d308c32088ed524c603e8b8bd392ac	51d308c32088ed524c603e8b8bd392ac	{ "rev": "1-6904fe503841304723e2df01ca111..." }		
<input type="checkbox"/>	db38a14d1390daca8bcf286a6459c469	db38a14d1390daca8bcf286a6459c469	{ "rev": "1-0b5a2c73c6d9f7d545ec32e708b12..." }		
<input type="checkbox"/>	db38a14d1390daca8bcf286a64631ea1	db38a14d1390daca8bcf286a64631ea1	{ "rev": "1-0cee14f975616a2859f56d9a7e04b..." }		

Showing document 1 - 8. Documents per page: 20

## 1.PYTHON CODE FOR RANDOM MEDICINE AND TIME GENERATING:

```
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "4sqv1g",
        "typeId": "IOT",
        "deviceId": "26102002"
    },
    "auth": {
        "token": "621319106034"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Dolo 650","Insulin","Vicks"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "ajth"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("MEDICINE REMINDER", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
client.disconnect()
```

## PYTHON CODE IN PYTHON 3.7:

```
karthi1.py - C:/karthi/karthi1.py (3.7.4)
File Edit Format Run Options Window Help

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

myConfig = {
    "identity": {
        "orgId": "4sqvlg",
        "typeId": "IOT",
        "deviceId": "26102002"
    },
    "auth": {
        "token": "621319106034"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Dolo 650","Insulin","Vicks"]
    medicinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "ajth"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("MEDICINE REMINDER", "json", data=mydata, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :", mydata)
    time.sleep(5)
client.disconnect()
```

Ln: 28 Col: 0

30°C Cloudy

Search

ENG IN 16:03 19-11-2022

## OUTPUT:

```
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help

Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 19:29:22) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/karthi/karthi1.py =====
2022-11-19 14:40:39,365 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:4sqvlg:IOT:26102002
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Aspirine', 'Time': 1.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Insulin', 'Time': 18.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Paracetamol', 'Time': 5.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Vicks', 'Time': 3.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Dolo 650', 'Time': 1.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Insulin', 'Time': 20.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Paracetamol', 'Time': 1.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Aspirine', 'Time': 20.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Aspirine', 'Time': 7.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Aspirine', 'Time': 18.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Insulin', 'Time': 20.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Dolo 650', 'Time': 5.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Vicks', 'Time': 7.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Vicks', 'Time': 1.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Dolo 650', 'Time': 5.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Paracetamol', 'Time': 12.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Aspirine', 'Time': 3.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Vicks', 'Time': 20.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Paracetamol', 'Time': 3.0)
Data published to IBM IOT platform : ('Patient Name': 'ajth', 'Medicine Name': 'Paracetamol', 'Time': 18.0)
2022-11-19 14:42:20,191 wiotp.sdk.device.client.DeviceClient INFO Disconnected from the IBM Watson IoT Platform
2022-11-19 14:42:20,215 wiotp.sdk.device.client.DeviceClient INFO Closed connection to the IBM Watson IoT Platform
>>>
```

Ln: 28 Col: 4

30°C Cloudy

Search

ENG IN 16:04 19-11-2022

## OUTPUT IN IBM WATSON IoT PLATFORM:

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes tabs for 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various platform features. The main content area shows the 'Recent Events' tab for a specific device. Below the tab, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' A table follows, listing recent events with columns for 'Event', 'Value', 'Format', and 'Last Received'. The table contains five entries, all with a 'json' format and 'an hour ago' timestamp. The bottom of the image shows a Windows taskbar with various application icons and system status information.

Event	Value	Format	Last Received
MEDICINE R...	{"Patient Name":"ajth","Medicine Name":"Parace...	json	an hour ago
MEDICINE R...	{"Patient Name":"ajth","Medicine Name":"Parace...	json	an hour ago
MEDICINE R...	{"Patient Name":"ajth","Medicine Name":"Vicks"...	json	an hour ago
MEDICINE R...	{"Patient Name":"ajth","Medicine Name":"Aspirin...	json	an hour ago
MEDICINE R...	{"Patient Name":"ajth","Medicine Name":"Parace...	json	an hour ago