SPRINT - 3

Date	18 November 2022
Team ID	PNT2022TMID18589
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": "yu1n93",
      "typeId": "Module",
      "deviceId": "55555"
    },
    "auth": {
      "token": "5555555555"
   }
}
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
File Edit Shell Debug Options Window Help
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}