

SPRINT - 3

TEAM ID: PNT2022TMID29933

TOPIC: 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": "ts2p3l",
        "typeId":
            "medicine1-
            device_type",
        "deviceId":
            "PNT2022TMID299
            33-Medicine"
    },
    "auth": {
        "token": "lq!RGKJdXNRjtv0x2"
    }
}

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()
```

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```
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "ts2p31",
        "typeId": "medicine1-device_type",
        "deviceId": "PNT2022TMID29933-Medicine"
    },
    "auth": {
        "token": "lq!RGKJdXNRjtvM0x2"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
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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

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