Sprint -4

Team ID	PNT2022TMID39437
Project Name	Project – Personal Assistance for Seniors Who are Self Reliant

Installation of Wiotp.sdk.device:

Code:

Pip install wiotp-sdk

Result:

Python code :

```
import json

import wiotp.sdk.device

import time

import random

myConfig = {

 "identity": {

 "orgId": "ja4s7f",
```

```python
    "typeId": "abc12",

    "deviceId": "3456"

    },

    "auth": {

    "token": "12345678"

    }

}

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)

client.connect()

for i in range(0,20):

    tablet=["crosin","Aspirin","Paracetamol","Nitrest"]

    medicinetime=[1.30,4.10,7.40,9.70,15.00,22.00,23.00]

    name = "Chandru"

    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
import json
import wiotp.sdk.device
import time
import random
myConfig = {
 "identity": {
 "orgId": "ja4s7f",
 "typeId": "abc12",
 "deviceId": "3456"
 },
 "auth": {
 "token": "12345678"
 }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
for i in range(0,20):
 tablet=["crosin","Aspirin","Paracetamol","Nitrest"]
 medicinetime=[1.30,4.10,7.40,9.70,15.00,22.00,23.00]
 name = "Chandru"
 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()
```

Output:

```
Python 3.7.0 Shell

File  Edit  Shell  Debug  Options  Window  Help

Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
 RESTART: C:/Users/Chithra/AppData/Local/Programs/Python/Python37/medical_reminder.py
2022-11-19 20:34:20,249  wiotp.sdk.device.client.DeviceClient  INFO   Connected successfully: d:ja4s7f:abc12:3456Data published to IBM IOT platform :
 {'Patient Name': 'Chandru', 'Medicine Name': 'Paracetamol', 'Time': 7.4}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'crosin', 'Time': 7.4}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Aspirin', 'Time': 7.4}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Aspirin', 'Time': 23.0}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Aspirin', 'Time': 9.7}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Paracetamol', 'Time': 1.3}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'crosin', 'Time': 23.0}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 4.1}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'crosin', 'Time': 15.0}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'crosin', 'Time': 4.1}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Paracetamol', 'Time': 4.1}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Paracetamol', 'Time': 4.1}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 9.7}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Paracetamol', 'Time': 7.4}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 7.4}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 4.1}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 1.3}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 22.0}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 1.3}
Data published to IBM IOT platform : {'Patient Name': 'Chandru', 'Medicine Name': 'Nitrest', 'Time': 1.3}
2022-11-19 20:36:00,870  wiotp.sdk.device.client.DeviceClient  INFO   Disconnected from the IBM Watson IoT Platform
2022-11-19 20:36:00,880  wiotp.sdk.device.client.DeviceClient  INFO   Closed connection to the IBM Watson IoT Platform
>>>
```