

PYTHON SCRIPT

TEAM ID	PNT2022TMID43222
PROJECT NAME	PERSONAL ASSISTANCE FOR SENIORS WHO ARESELF RELIANT

CODE:

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "0j9nst",
        "typeId": "NodeMCU",
        "deviceId": "557353"
    },
    "auth": {
        "token": "735591@28"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM Plateform:" % cmd.data['command'])
    m=cmd.data['command']
    client = wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
```

```
client.connect()
```

```
while True:
```

```
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
```

```
    med icinetime=[9.00,12.00,13.00,15.00,19.30]
```

```
    name = "yasodha"
```

```
    medicine=random.choice(tablet)
```

```
    med icinetime=random.choice(medicinetime)
```

```
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time':
```

```
med icinetime}
```

```
    client.publishEvent("IoT Sensor", "json", data=mydata, qos=0,
```

```
onPublish=None)
```

```
    print("Data published to IBM IOT platform :", mydata)
```

```
    time.sleep(5)
```

```
client.disconnect()
```

INPUT:

```
s3.py - C:/Users/sathya R/OneDrive/Documents/IBM FOLDER/s3.py (3.7.0)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "0j9nst",
        "typeId": "NodeMCU",
        "deviceId": "557353"
    },
    "auth": {
        "token": "735591@28"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM Platform:" % cmd.data["command"])
    m=cmd.data["command"]
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
    medicinetime=[9.00,12.00,13.00,15.00,19.30]
    name = "yasodha"
    medicine=random.choice(tablet)
    medicinetime=random.choice(medicinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medicinetime}
    client.publishEvent("IoT Sensor", "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*
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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/sathya R/OneDrive/Documents/IBM FOLDER/s3.py =====
2022-11-24 17:33:02.386 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:0j9nst:NodeMCU:557353Data published to IBM IOT platform :
{'Patient Name': 'yasodha', 'Medicine Name': 'Asthalin', 'Time': 15.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Sinarest', 'Time': 13.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Sinarest', 'Time': 15.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Aspirine', 'Time': 13.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Azithral', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Azithral', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Aspirine', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Sinarest', 'Time': 13.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Asthalin', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Sinarest', 'Time': 13.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Azithral', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Asthalin', 'Time': 12.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Asthalin', 'Time': 15.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Asthalin', 'Time': 19.3}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Paracetamol', 'Time': 19.3}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Azithral', 'Time': 15.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Paracetamol', 'Time': 13.0}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Azithral', 'Time': 19.3}
Data published to IBM IOT platform : {'Patient Name': 'yasodha', 'Medicine Name': 'Aspirine', 'Time': 15.0}
```

PYTHON SCRIPT IN NODE RED:

