

## DEVELOP A PYTHON SCRIPT TO RECEIVE DATA FROM NODE-RED BY USING IBM WATSON IOT PLATFORM

Date	19 November 2022
Team ID	PNT2022TMID40129
Project Name	Project - Personal Assistance for Seniors who are Self Reliant.

### CODE:

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

myConfig = {
    "identity":{
        "orgId": "4wba1k",
        "typeId" : "Personal_Assistance",
        "deviceId":"7094657"
    },
    "auth":{
        "token":"ayemahadivsuru"
    }
}
```

```
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="keer"

    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()
```

PythonScript.py - C:\Users\ELCOT\Documents\PythonScript.py (3.10.2)

File Edit Format Run Options Window Help

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

myConfig = {
    "identity":{
        "orgId": "4wbalk",
        "typeId" : "Personal_Assistance",
        "deviceId":"7094657"
    },
    "auth":{
        "token":"ayemahadivsuru"
    }
}

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="keer"
    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()
```