

## **DEVELOP A PYTHON SCRIPT**

**TEAM ID : PNT2022TMID25288**

**PROJECT NAME: PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF RELIANT**

**CODE:**

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

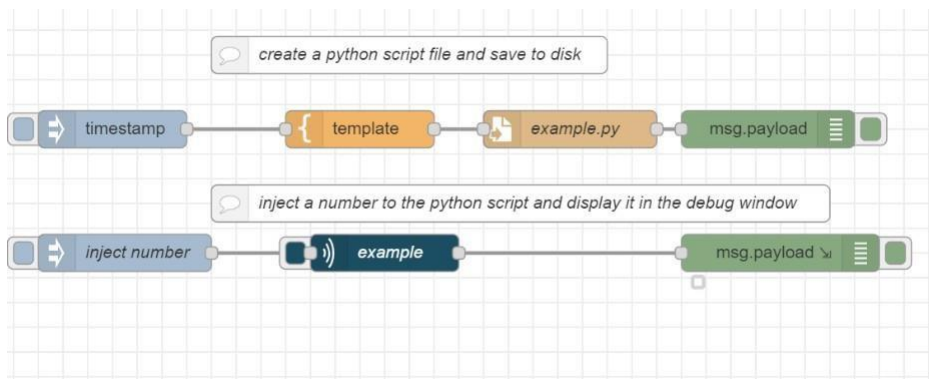
myConfig = {
    "identity": {
        "orgId": "12345",
        "typeId": "lotsensors",
        "deviceId": "qmw79l"
    },
    "auth": {
        "token": "Anandh@1973"
    }
}

client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)
for i in range(0,20):
    tablet=["Paracetamol","Aspirine","Azithral","Asthalin","Sinarest"]
    medcinetime=[12.00,1.00,2.00,3.00,5.00,18.00,20.00,7.00]
    name = "keer"
    medicine=random.choice(tablet)
    medcinetime=random.choice(medcinetime)
    mydata = {'Patient Name': name, 'Medicine Name': medicine, 'Time': medcinetime}
    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:**

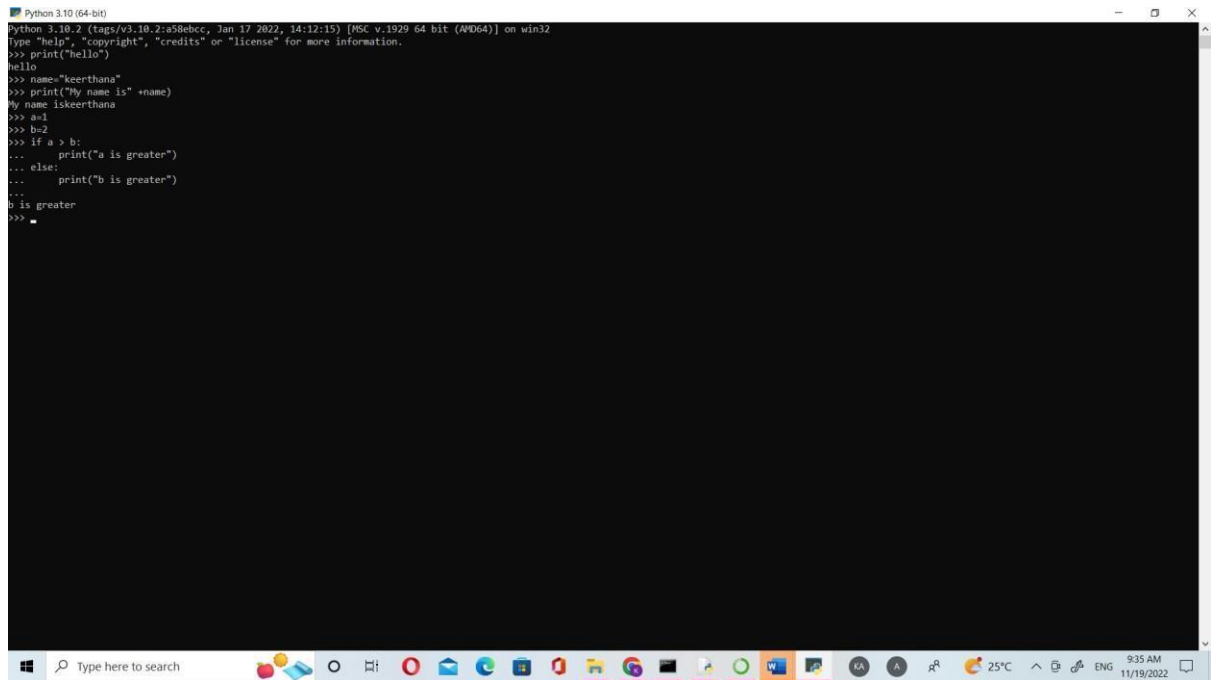
```
Python 3.7.3 Shell
File Edit Shell Debug Options Window Help
Python 3.7.3 (v3.7.3:ef4ec6d12, Mar 25 2019, 21:26:53) [MSC v.1916 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/keerthana Varshini/Desktop/mediot/medicinerem.py =====
{'Patient Name': 'keer', 'Medicine Name': 'Paracetamol', 'Time': 12.0}
{'Patient Name': 'keer', 'Medicine Name': 'Aspirine', 'Time': 12.01}
{'Patient Name': 'keer', 'Medicine Name': 'Aizthral', 'Time': 1.0}
{'Patient Name': 'keer', 'Medicine Name': 'Asthalin', 'Time': 20.0}
{'Patient Name': 'keer', 'Medicine Name': 'Sinarest', 'Time': 18.0}
{'Patient Name': 'keer', 'Medicine Name': 'Aspirine', 'Time': 11.0}
{'Patient Name': 'keer', 'Medicine Name': 'Aspirine', 'Time': 12.01}
{'Patient Name': 'keer', 'Medicine Name': 'Aizthral', 'Time': 13.0}
{'Patient Name': 'keer', 'Medicine Name': 'Asthalin', 'Time': 10.0}
{'Patient Name': 'keer', 'Medicine Name': 'Sinarest', 'Time': 19.0}
{'Patient Name': 'keer', 'Medicine Name': 'Paracetamol', 'Time': 13.0}
{'Patient Name': 'keer', 'Medicine Name': 'Aspirine', 'Time': 15.01}
{'Patient Name': 'keer', 'Medicine Name': 'Aizthral', 'Time': 18.0}
{'Patient Name': 'keer', 'Medicine Name': 'Asthalin', 'Time': 21.0}
{'Patient Name': 'keer', 'Medicine Name': 'Sinarest', 'Time': 17.0}
>>>
```

## PYTHON SCRIPT IN NODE RED:



```
1 import sys
2
3 def absolute_value(num):
4     """This function returns the absolute
5     value of the entered number"""
6
7     if num >= 0:
8         return num
9     else:
10        return -num
11
12 # Output: 2
13 #print(absolute_value(2))
14
15 while True:
16     num = sys.stdin.readline() # read the stdin from the inject node
17     num = int(num)
18     print(absolute_value(num))
```

## IN PYTHON SCRIPT:



```
Python 3.10 (64-bit)
Python 3.10.2 (tags/v3.10.2:a58ebcc, Jan 17 2022, 14:12:15) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> print("hello")
hello
>>> name="keerthana"
>>> print("My name is" +name)
My name iskeerthana
>>> a=1
>>> b=2
>>> if a > b:
...     print("a is greater")
... else:
...     print("b is greater")
...
b is greater
>>> .
```

The screenshot shows a Windows taskbar at the bottom with various application icons and a system tray displaying the date and time as 9:35 AM on 11/19/2022. The Python window title bar indicates it is a 64-bit version of Python 3.10.2.