

PYTHON SCRIPT

TEAM ID	PNT2022TMID26580
PROJECT NAME	Personal Assistance for Seniors Who Are Self-Reliant

CODE :

```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "rjt3pq",
        "typeId": "CheckingDeviceType",
        "deviceId": "26620"
    },
    "auth": {
        "token": ")jTAgpooTUE+vVYW4K"
    }
}
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" %
    cmd.data['command'])
    m=cmd.data['command']
    client = wiotp.sdk.device.DeviceClient(config=myConfig,
    logHandlers=None)
    client.connect()
```

while True:

med="Paracetamol"

med1="D Cold"

myData={'medicine1':med, 'medicine2':med1}

client.publishEvent(eventId="status", msgFormat="json",
data=myData, qos=0,

onPublish=None)

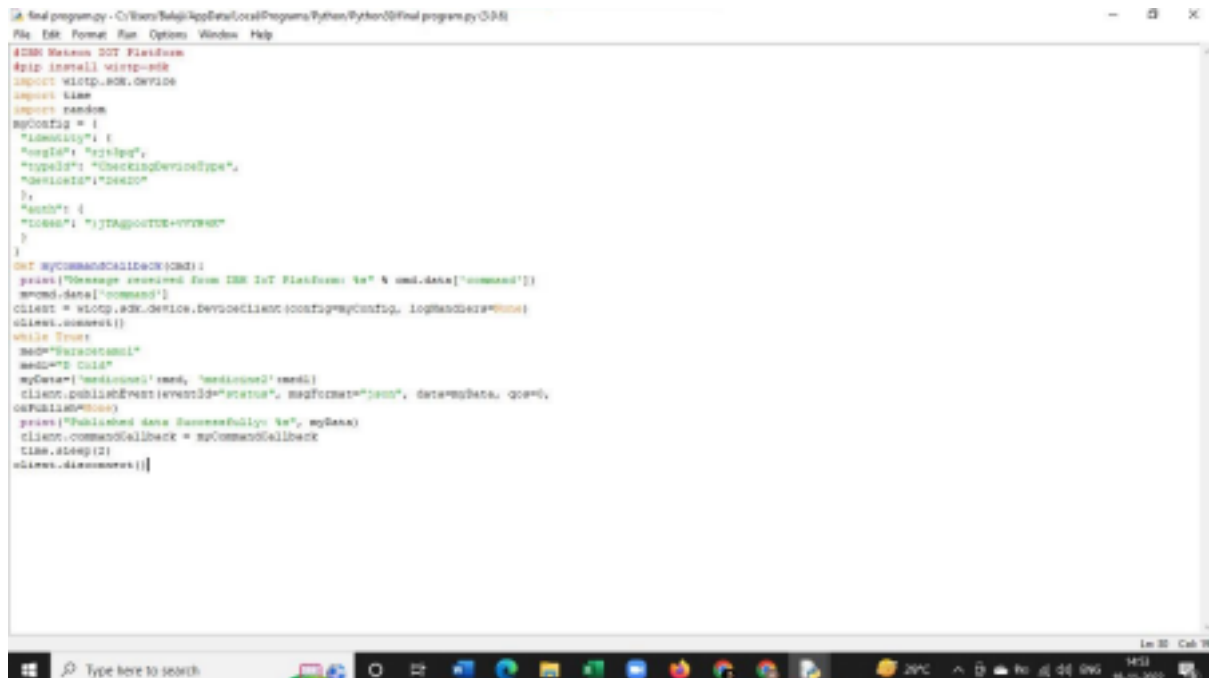
print("Published data Successfully: %s", myData)

client.commandCallback = myCommandCallback

time.sleep(2)

client.disconnect()

INPUT :



```
final program.py - C:\Users\Bajaj\AppData\Local\Programs\Python\Python38\final program.py (38)
File Edit Format Run Options Window Help
#MQTT Watson IoT Platform
#pip install mqtt-sim
import mqtt.SIM.Device
import time
import random
myConfig = {
    "clientId": "I",
    "topic": "test",
    "type": "MQTTDeviceType",
    "deviceId": "24400"
}
"auth": {
    "token": "eyJ0aGp0c3R5bWVudSI6
}
def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data["command"])
    myCmd.data["command"]
    client = mqtt.SIM.Device.DeviceClient(config=myConfig, logHandler=None)
    client.connect()
    while True:
        med="Paracetamol"
        med1="D Cold"
        myData={'medicine1':med, 'medicine2':med1}
        client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)
        print("Published data Successfully: %s", myData)
        client.commandCallback = myCommandCallback
        time.sleep(2)
    client.disconnect()
```

OUTPUT :

[illegible]

OUTPUT IN IOT DEVICE :

The screenshot displays the IBM Watson IoT Platform interface. The top navigation bar includes 'Browse', 'Action', 'Device Types', and 'Interfaces'. A sidebar on the left contains icons for various functions. The main content area shows the 'Recent Events' tab for a device. Below the tab, a message states: 'The recent events listed show the live stream of data that is coming and going from this device.' A table follows with the following data:

Event	Value	Format	Last Received
status	{"medicine1":"Paracetamol","medicine2":"D Col...	json	a few seconds ago
status	{"medicine1":"Paracetamol","medicine2":"D Col...	json	a few seconds ago
status	{"medicine1":"Paracetamol","medicine2":"D Col...	json	a few seconds ago
status	{"medicine1":"Paracetamol","medicine2":"D Col...	json	a few seconds ago
status	{"medicine1":"Paracetamol","medicine2":"D Col...	json	a few seconds ago

At the bottom right, a status box indicates '0 Simulations running'.