

DEVELOP A PYTHON SCRIPT

Team ID	PNT2022TMID24841
Project Name	Project – personal Assistance for seniors Who are Self-Reliant

PYTHON SCRIPT:

```
#IBM Watson IOT Platform
```

```
#pip install wiotp-sdk
```

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "ular9x",
```

```
        "typeId": "MedicalIoT",
```

```
        "deviceId": "Device25"
```

```
    },
```

```
    "auth": {
```

```
        "token": "nkl4!3Nv&A*ClO4gc@"
```

```
    }
```

```
}
```

```
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="aspirin"
```

```

med1="D Cold"

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

client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0,
onPublish=None)

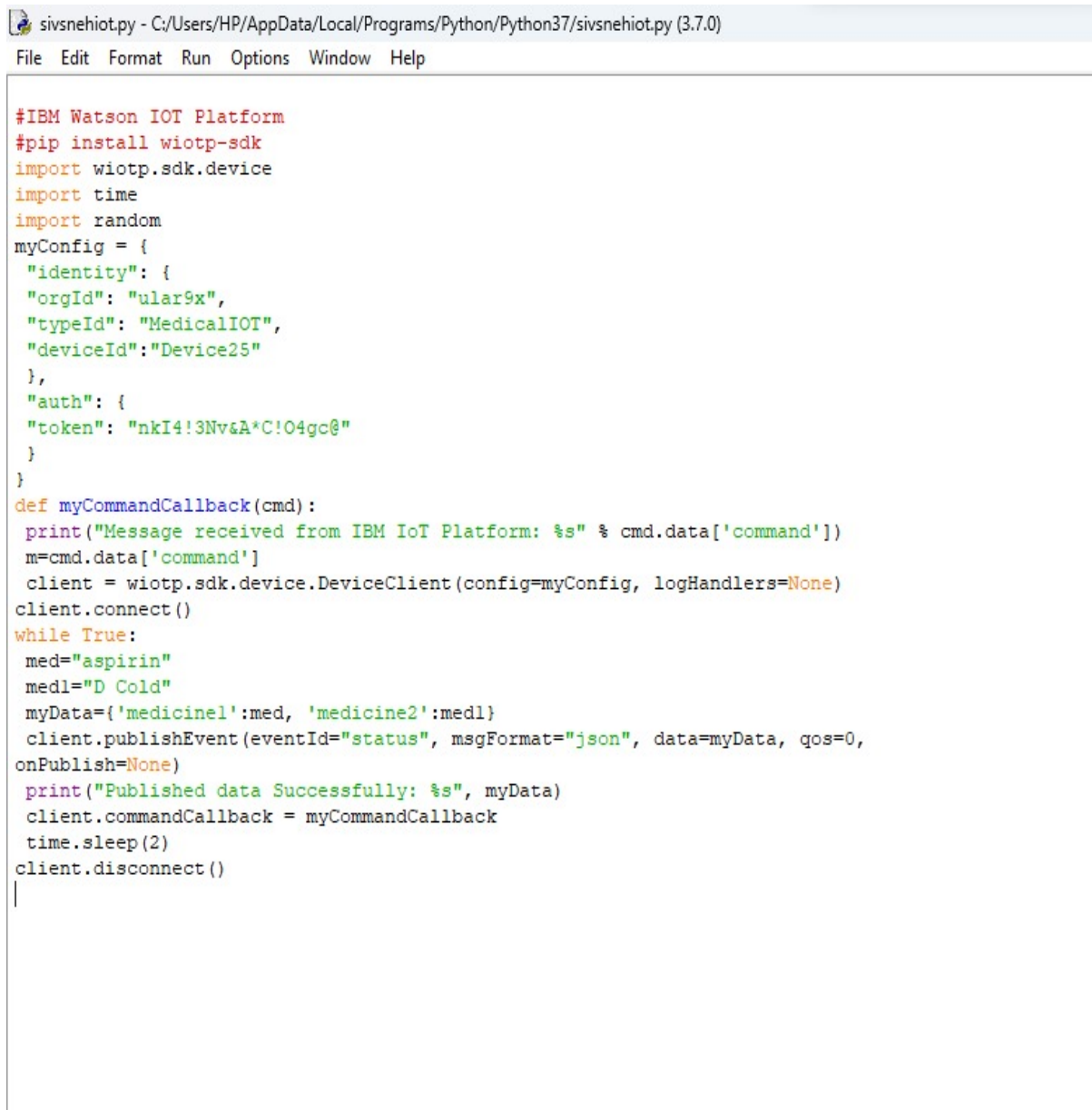
print("Published data Successfully: %s", myData)

client.commandCallback = myCommandCallback

time.sleep(2)

client.disconnect()

```



The screenshot shows a text editor window with the title bar "sivsnehiot.py - C:/Users/HP/AppData/Local/Programs/Python/Python37/sivsnehiot.py (3.7.0)". The menu bar includes "File", "Edit", "Format", "Run", "Options", "Window", and "Help". The code in the editor is a Python script for connecting to the IBM Watson IoT Platform. It includes imports for the SDK, time, and random modules. A configuration dictionary 'myConfig' is defined with identity, auth, and device information. A function 'myCommandCallback' is defined to handle incoming commands. The main logic is in a 'while True' loop that publishes status events and listens for commands. The script ends with a disconnect call.

```

#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "ular9x",
        "typeId": "MedicalIoT",
        "deviceId": "Device25"
    },
    "auth": {
        "token": "nkI4!3Nv&A*C!O4gc@"
    }
}
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="aspirin"
    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()
|

```



Published data Successfully: %s ('med

[illegible]

✕

Event	Value	Format	Last Received
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Event	Value	Format	Last Received
status	{ "medicine1": "aspirin", "medicine2": "D Cold" }	json	a few seconds ago
status	{ "medicine1": "aspirin", "medicine2": "D Cold" }	json	a few seconds ago
status	{ "medicine1": "aspirin", "medicine2": "D Cold" }	json	a few seconds ago
status	{ "medicine1": "aspirin", "medicine2": "D Cold" }	json	a few seconds ago
status	{ "medicine1": "aspirin", "medicine2": "D Cold" }	json	a few seconds ago

Items are coded 0 = 1 if it is not a item