DEVELOP A PYTHON SCRIPT

Date	18 November 2022
Team Id	PNT2022TMID21568
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":
        "brtbli",
        "typeId": "Mydevice",
        "deviceId":"12345"
    },
    "auth": {
        "token": "9uhV*phxagzA8QqSC"
    }
}

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      =

    myCommandCallbacktime.sleep(2)

client.disconnect()
```

Output:


```
File  Edit  Format  Run  Options  Window  Help
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "brtbli",
        "typeId": "Mydevice01",
        "deviceId":"12345"
    },
    "auth": {
        "token": "9uhV*uqZLpB1HUXugg"
    }
}

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()
|

                                                                                    Ln: 33  Col: 0
```
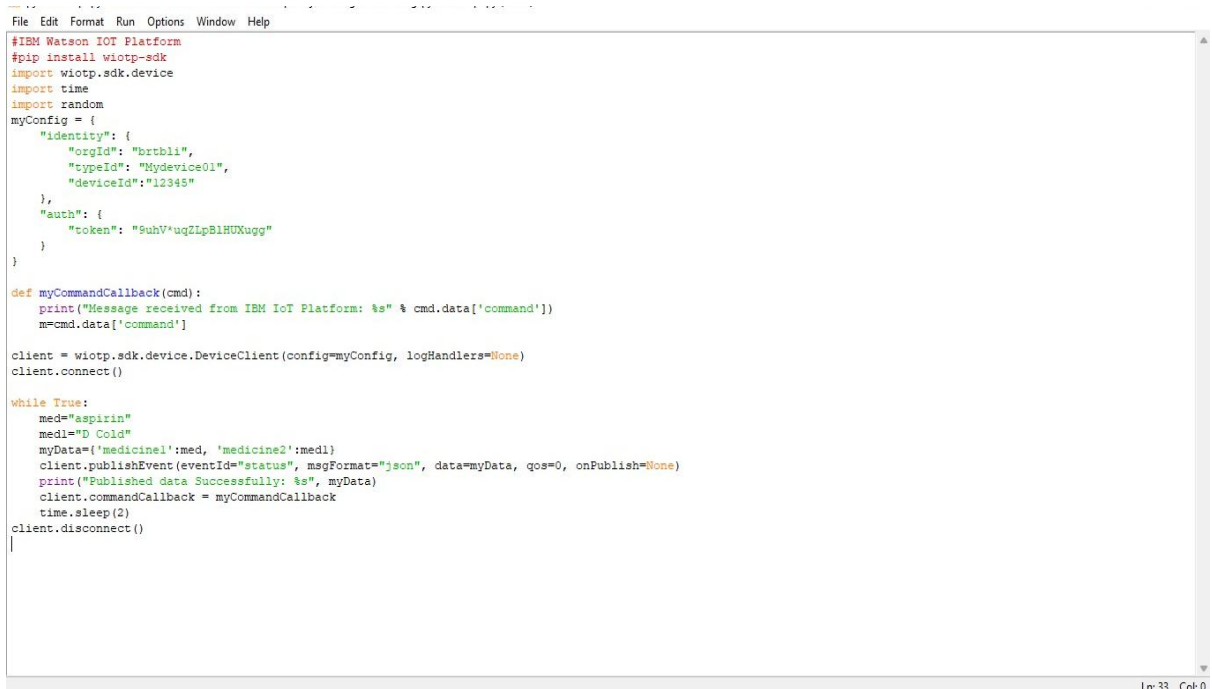
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}
Published data Successfully: %s {'medicinel': 'aspirin', 'medicine2': 'D Cold'}

IBM Watson IoT Platform

abirammi@student.tce.edu
ID: 7kzrri

Browse   Action   Device Types   Interfaces   Add Device

medicineapp   Disconnected   nodemcu   Device   Nov 18, 2022 5:30 PM

Identity   Device Information   Recent Events   State   Logs

The recent events listed show the live stream of data that is coming and going from this device.

Event	Value	Format	Last Received
event_1	{"randomNumber":18,"time":18,"date":100}	json	a few seconds ago
event_1	{"randomNumber":50,"time":52,"date":87}	json	a few seconds ago
event_1	{"randomNumber":40,"time":75,"date":98}	json	a few seconds ago

1 Simulation running