

# .DEVELOP THE PYTHON SCRIPT

We are getting temperature and heart rate of worker as input through the beacon scanner (python code)



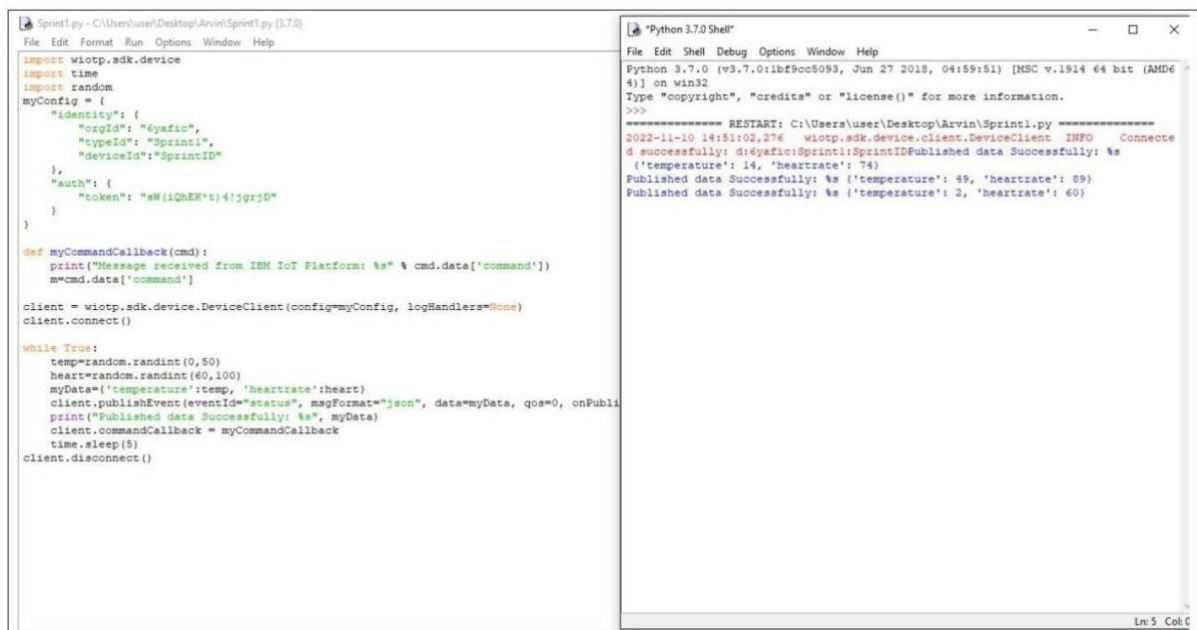
```
Sprint1.py - C:\Users\user\Desktop\Arvin\Sprint1.py (3.7.0)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6yafic",
        "typeId": "Sprint1",
        "deviceId": "SprintID"
    },
    "auth": {
        "token": "sW(iQhEK*t)4!jgrjD"
    }
}

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:
    temp=random.randint(0,50)
    heart=random.randint(60,100)
    myData={'temperature':temp, 'heartrate':heart}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
client.disconnect()
```



```
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```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help

Python 3.7.0 (tags/v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\user\Desktop\Arvin\Sprint1.py =====
2022-11-10 14:51:02.276 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:6yafic:Sprint1:SprintIDPublished data Successfully: %s
({'temperature': 14, 'heartrate': 74})
Published data Successfully: %s ('temperature': 49, 'heartrate': 89)
Published data Successfully: %s ('temperature': 2, 'heartrate': 60)
```

# Publish Data To The IBM Cloud

The screenshot displays the IBM Cloud IoT Platform console. On the left is a dark sidebar with navigation icons. The main area has a top navigation bar with tabs: 'Browse', 'Action', 'Device Types', and 'Interfaces'. A blue 'Add Device' button with a plus icon is in the top right. Below the tabs, a list of devices is shown. The first device is 'Sensorid' (Disconnected, Sensor, Nov 4, 2022 12:24 PM). The second device, 'SprintID', is selected (Connected, Sprint1, Oct 31, 2022 2:40 PM) and has a dropdown menu open. This menu contains tabs: 'Identity', 'Device Information', 'Recent Events' (which is active), 'State', and 'Logs'. Below the 'Recent Events' 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, showing four recent events.

Event	Value	Format	Last Received
status	{"temperature":13,"heartrate":62}	json	a few seconds ago
status	{"temperature":6,"heartrate":96}	json	a few seconds ago
status	{"temperature":25,"heartrate":77}	json	a few seconds ago
status	{"temperature":19,"heartrate":82}	json	a few seconds ago