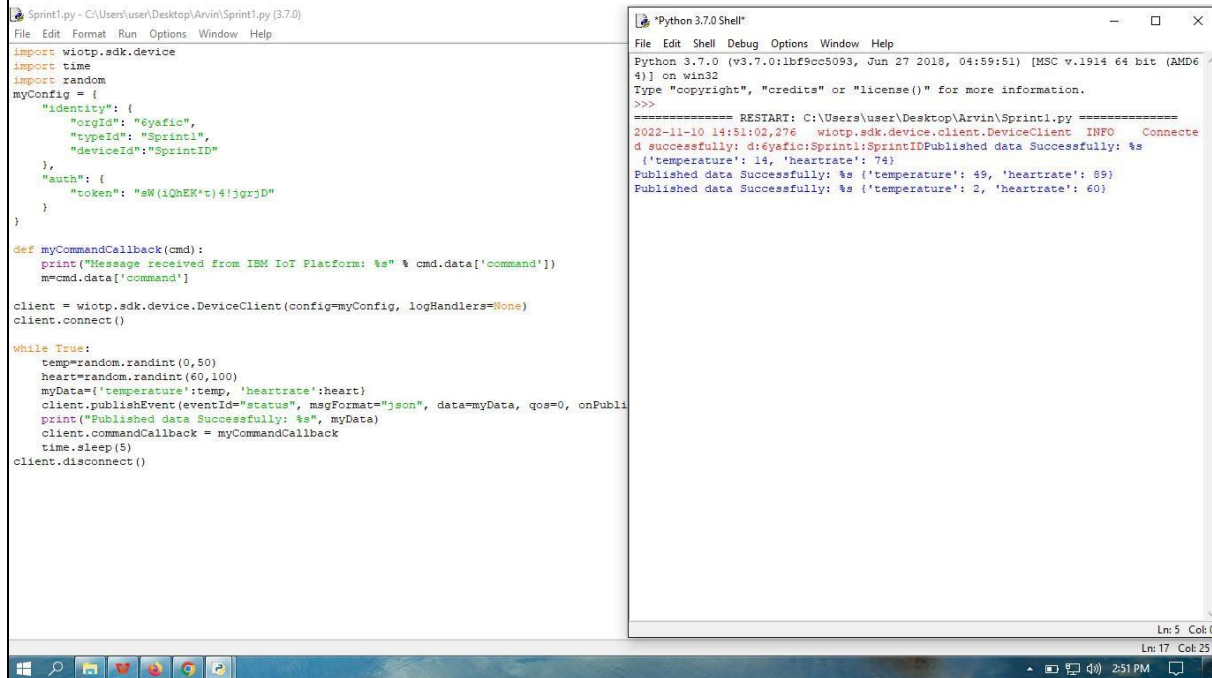


# PUBLISHING DATA TO CLOUD

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

## Publishing the python script



The screenshot displays a Windows desktop environment. On the left, a text editor window titled 'Sprint1.py - C:\Users\user\Desktop\Arvin\Sprint1.py (3.7.0)' contains a Python script. The script imports 'wiottp.sdk.device', 'time', and 'random'. It defines a 'myConfig' dictionary with 'orgId', 'typeId', 'deviceId', and 'auth' (containing a 'token'). A 'myCommandCallback' function is defined to print incoming commands. The main logic is in a 'while True' loop that generates random temperature and heart rate data, publishes it to the cloud using 'client.publishEvent', and sleeps for 5 seconds before repeating. On the right, a 'Python 3.7.0 Shell' terminal window shows the execution output. It displays the restart command, the file path, and the execution time. The output shows a successful connection and three data publishing events with their respective timestamps and data values.

```
Sprint1.py - C:\Users\user\Desktop\Arvin\Sprint1.py (3.7.0)
File Edit Format Run Options Window Help
import wiottp.sdk.device
import time
import random
myConfig = {
    "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 = wiottp.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, onPubl
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(5)
client.disconnect()
```

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD6
4)] 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 wiottp.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}
```

Ln: 5 Col: 0  
Ln: 17 Col: 25  
2:51 PM



