

TEAM ID: PNT2022TMID11025

Python Script:

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

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "gagtey",
```

```
        "typeId": "GPS",
```

```
        "deviceId": "12345"
```

```
    },
```

```
    "auth": {
```

```
        "token": "12345678"
```

```
    }
```

```
}
```

```
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()

def pub (data):

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

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

while True:

    myData={'name': 'Train1', 'lat': 17.6387448, 'lon':
78.4754336}

    pub (myData)

    time.sleep (3)

    #myData={'name': 'Train2', 'lat': 17.6387448, 'lon':
78.4754336)

    #pub (myData)

    #time.sleep (3)

    myData={'name': 'Train1', 'lat': 17.6341908, 'lon':
78.4744722}

    pub(myData)

    time.sleep(3)

    myData={'name': 'Train1', 'lat': 17.6340889, 'lon':
78.4745052}

    pub (myData)

```

```
time.sleep (3)

myData={'name': 'Train1', 'lat': 17.6248626, 'lon':
78.4720259}

pub (myData)

time.sleep (3)

myData={'name': 'Train1', 'lat': 17.6188577, 'lon':
78.4698726}

pub (myData)

time.sleep (3)

myData={'name': 'Train1', 'lat': 17.6132382, 'lon':
78.4707318}

pub (myData)

time.sleep (3)

client.commandCallback = myCommandCallback

client.disconnect ()
```