

Date	17-11-2022
Team ID	PNT2022TMID50058
Topic Name	Smart Solution For railways
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PROGRAM

```

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)
```