

TRAIN TRACKING CODE IN PYTHON

```
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "cqfdow",
        "typeId": "NodeMCU",
        "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': 34.209515, 'lon': 77.615112}
    pub (myData)
    time.sleep (3)
    myData={'name': 'Train1', 'lat': 34.209000, 'lon': 77.615100}
    pub(myData)
    time.sleep(3)
    myData={'name': 'Train1', 'lat': 13.067439, 'lon': 80.237617}
    pub (myData)
    time.sleep (3)
    myData={'name': 'Train1', 'lat': 13.067800, 'lon': 80.237600}
    pub (myData)
    time.sleep (3)
    myData={'name': 'Train1', 'lat': 11.634725, 'lon': 78.14984}
    pub (myData)
    time.sleep (3)
```

```
myData={'name': 'Train1', 'lat': 15.2993265, 'lon': 74.123996000000003}  
pub (myData)  
time.sleep (3)  
client.commandCallback = myCommandCallback  
client.disconnect()
```