

Develop Python Script

Date	06 October 2022
Team ID	PNT2022TMID37886
Project Name	Smart solutions for Railways

Location update for every 3 seconds



```
location tracking test.py - E:\location tracking test.py (3.9.0)
File Edit Format Run Options Window Help
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "6iujkz",
        "typeId": "roncloud",
        "deviceId": "1603"
    },
    "auth": {
        "token": "ron@1603"
    }
}
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':'Train 1','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':'Train 1','lat':17.6341908,'lon':78.4744722}
```

Output

```
Python 3.9.0 Shell
File Edit Shell Debug Options Window Help
Python 3.9.0 (tags/v3.9.0:9cf6752, Oct 5 2020, 15:34:40) [MSC v.1927 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:\location tracking test.py =====
2022-11-19 10:14:40,635 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:6iujkz:roncloud:1603
Published data Successfully: %s {'name': 'Train 1', 'lat': 17.6387448, 'lon': 78.4754336}
Published data Successfully: %s {'name': 'Train2', 'lat': 17.6387448, 'lon': 78.4754336}
Published data Successfully: %s {'name': 'Train 1', 'lat': 17.6341908, 'lon': 78.4744722}
Published data Successfully: %s {'name': 'Train 1', 'lat': 17.6340889, 'lon': 78.4745052}
```