**Python Code for publishing the location**

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| Team ID | PNT2022TMID27787 |
| Project Name | Project – Smart Solutions For Railway |

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 ()