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import wiotp.sdk.device import time
import random myConfig = {
"identity" :{ "orgId":"ytluse",
"typeId":"2702", "deviceId":"12345"
},
"auth":{
"token":"O+n)Eh+INX0y3?rG!8"
}
}
def myCommandCallback(cmd):
print("Message received fromIBM 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':'Delhi Express','lat':13.344279,'lon':80.214367} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':13.515254,'lon':80.093518} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':13.728799,'lon':80.005627} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':13.910160,'lon':79.906750} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':14.102035,'lon':79.851819}

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pub(myData) time.sleep(3)
myData = {'name':'Delhi Express','lat':14.261807,'lon':79.862805} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':14.623537,'lon':79.950695} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':15.111987,'lon':79.994641} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':15.313413,'lon':80.005627} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':15.567568,'lon':80.104504} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':15.747405,'lon':80.269299
}
pub(myData) time.sleep(3)
myData = {'name':'Delhi Express','lat':15.821409,'lon':80.302258} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':15.927082,'lon':80.445080} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':16.022141,'lon':80.554943} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':17.033801,'lon':80.295512} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':18.383088,'lon':18.383088} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':19.074762,'lon':79.487698} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':20.179065,'lon':79.001439} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':21.306421,'lon':78.789356} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':22.518024,'lon':77.829404}
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pub(myData) time.sleep(3)
myData = {'name':'Delhi Express','lat':23.264139,'lon':77.429333} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':24.509723,'lon':78.330212} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':25.668840,'lon':78.451062} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':26.177704,'lon':78.170910} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':27.505914,'lon':77.676526} pub(myData)
time.sleep(3)
myData = {'name':'Delhi Express','lat':28.302041,'lon':77.308484} pub(myData)
time.sleep(3)
client.commandCallback = myCommandCallback client.disconnect()

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***Python code for “Mysuru SF Express” train:***

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import wiotp.sdk.device import time
import random myConfig = {
"identity" :{ "orgId":"ytluse",
"typeId":"train2", "deviceId":"mysore"
},
"auth":{
"token":"-BCOX+hMk?*@xc@AV9"
}
}
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()

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```
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':'Mysuru SF Express','lat':11.024938,'lon':76.982315} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':11.220325,'lon':77.570083} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':11.564960,'lon':77.993057} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':11.780142,'lon':78.037002} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.134824,'lon':78.130386} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.226105,'lon':78.091934} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.344187,'lon':78.037002} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.489034,'lon':78.009536} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.655239,'lon':77.866714} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.735622,'lon':77.756851} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.907020,'lon':77.696426} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.987323,'lon':77.646988} pub(myData)
        time.sleep(3)
        myData = {'name':'Mysuru SF Express','lat':12.955205,'lon':77.509659} pub(myData)
        time.sleep(3)
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myData = {'name':'Mysuru SF Express','lat':12.665958,'lon':77.136123
}
pub(myData) time.sleep(3)
myData = {'name':'Mysuru SF Express','lat':12.548022,'lon':76.921890} pub(myData)
time.sleep(3)
myData = {'name':'Mysuru SF Express','lat':12.336809,'lon':76.644485} pub(myData)
time.sleep(3)
client.commandCallback = myCommandCallback
client.disconnect()

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***Python code for “Goa Express” train:***

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import wiotp.sdk.device import time
import random myConfig = {
"identity" :{ "orgId":"ytluse",
"typeId":"2702", "deviceId":"678910"
},
"auth":{
"token":"4skuC*xkhDH&la(CUR"
}
}
def myCommandCallback(cmd):
print("Message received fromIBM 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':'Goa Express','lat':11.688572, 'lon':78.098877} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':11.711433, 'lon':78.076905}

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pub(myData) time.sleep(3)
myData = {'name':'Goa Express','lat':11.978226, 'lon':78.116730} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':12.085676, 'lon': 78.119477} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':12.402400, 'lon':78.023347} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':12.884795, 'lon':77.707490} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':13.018630,'lon':77.614106} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':13.334194, 'lon':77.086762} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':13.299448, 'lon':76.858796} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':13.344884,'lon': 76.205109} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':13.619985, 'lon':75.966157} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':13.974739, 'lon':76.119965} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':14.423398, 'lon':75.949677} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':14.922914, 'lon':75.389374} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':15.119216, 'lon':75.389374} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':15.449980, 'lon':74.406230} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':15.352006,'lon':74.307353} pub(myData)
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time.sleep(3)
myData = {'name':'Goa Express','lat':15.314922, 'lon':74.218089} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':15.283131, 'lon':74.146678} pub(myData)
time.sleep(3)
myData = {'name':'Goa Express','lat':15.276839, 'lon':74.129855} pub(myData)
time.sleep(3) time.sleep(3)
myData = {'name':'Goa Express','lat':15.282800, 'lon':74.125392} pub(myData)
time.sleep(3) time.sleep(3)
myData = {'name':'Goa Express','lat':15.296378,'lon':74.135692} pub(myData)
time.sleep(3)
client.commandCallback = myCommandCallback

client.disconnect()
```