SPRINT - 2

Team ID	PNT2022TMID29193
Project name	Smart Solutions for Railways

Python Code:

```python
import
wiotp.sdk.device
import time import
random myConfig = {
  "identity" :{
    "orgId":"ytluse",
    "typeId":"2702",
    "deviceId":"12345"
    },
  "auth":{
    "token":"O+n)Eh+lNX0y3?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()
```

```python
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}
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)
```

```python
    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}
                                        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()
```