

Develop A Python Script To Publish And Subscribe To IBM IoT Platform

Develop The Python Code

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Project Name	Project – Smart Solutions for Railways

Code:

```
import wiotp.sdk.device

import time

import random

myConfig = {
    "identity": {
        "orgId": "jqr6mg",
        "typeId": "GPS",
        "deviceId": "MKSJ16"}
    ,
    "auth": {
        "token": "123456789"
    }
}

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()
```

