

TESTING THE WEB UI BY GIVING THE REQUIRED INPUTS

TEAM ID	PNT2022TMID46884
PROJECT	SMART SOLUTION FOR RAILWAYS

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Develop a python code for publishing the location.py - D:\ibm proj\Develop a python code for publishing the location.py (3.8.2)
File Edit Format Run Options Window Help

import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "u3neep",
        "typeId": "GPS",
        "deviceId": "12345"
    },
    "auth": {
        "token": "1234567890"
    }
}

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 ()
```

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```
Python 3.8.2 Shell
File Edit Shell Debug Options Window Help
Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 23:03:10) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: D:\ibm projr\Develop a python code for publishing the location.py ==
2022-11-18 21:24:25,730      wiotp.sdk.device.client.DeviceClient INFO      Connected successfully: d:u3neop:GPS:12345
Published data Successfully: %s {'name': 'Train1', 'lat': 17.6387448, 'lon': 78.4754336}
Published data Successfully: %s {'name': 'Train1', 'lat': 17.6341908, 'lon': 78.4744722}
Published data Successfully: %s {'name': 'Train1', 'lat': 17.6340889, 'lon': 78.4745052}
|
```

IBM Watson IoT Platform

Browse Action Device Types Interfaces

123 Disconnected Raspberry

Identity Device Information Recent Events

The recent events listed show the live stream of data that is coming from the device.

Event	Value
event_1	{"randomNumber":90,"temp":65,"hum":90}
event_1	{"randomNumber":79,"temp":81,"hum":90}
event_1	{"randomNumber":46,"temp":26,"hum":90}
event_1	{"randomNumber":43,"temp":23,"hum":90}
event_1	{"randomNumber":57,"temp":83,"hum":90}

Simulations

1/50 Simulations Running

+ New Simulation

Device Type Raspberry

1 Event

1 Device

123

1 x Create Simulated Device Use Registered Device