



## BroadcastReceiverNewSms

When new SMS will come it will show a alert message.

✉ VT-VFCARE: Hello, you have 816.10 MB free



## BroadcastReceiverNewSms

When new SMS will come it will show a alert message.

senderNum: VT-VFCARE, message:  
Hello, you have 816.10 MB free usage  
balance valid till 06/Apr/2016 11:59:59  
PM. Charges post free usage will be as  
per your plan.

## AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.displaynotification"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="17"
        android:targetSdkVersion="17" />

    <uses-permission android:name="android.permission.RECEIVE_SMS" />
    <uses-permission android:name="android.permission.READ_SMS" />
    <uses-permission android:name="android.permission.SEND_SMS" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
```

```
<receiver android:name="com.example.displaynotification.Notification" >
    <intent-filter>
        <action android:name="android.provider.Telephony.SMS_RECEIVED" />
    </intent-filter>
</receiver>
</application>
```

```
</manifest>
```

### **activity\_main.xml**

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context="com.example.displaynotification.MainActivity" >
```

```
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerHorizontal="true"
    android:layout_centerVertical="true"
    android:text="When new SMS will come it will show a alert message." />
```

```
</RelativeLayout>
```

## **MainActivity.java**

```
package com.example.displaynotification;

import android.app.Activity;
import android.os.Bundle;

public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

## **Notification.java**

```
package com.example.displaynotification;

import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.os.Bundle;
import android.telephony.SmsManager;
import android.telephony.SmsMessage;
import android.util.Log;
import android.widget.Toast;

public class Notification extends BroadcastReceiver {

    // Get the object of SmsManager
    final SmsManager sms = SmsManager.getDefault();

    public void onReceive(Context context, Intent intent) {
```

```

// Retrieves a map of extended data from the intent.
final Bundle bundle = intent.getExtras();

try {

    if (bundle != null) {

        final Object[] pdusObj = (Object[]) bundle.get("pdus");

        for (int i = 0; i < pdusObj.length; i++) {

SmsMessage currentMessage = SmsMessage.createFromPdu((byte[]) pdusObj[i]);
String phoneNumber = currentMessage.getDisplayOriginatingAddress();

            String senderNum = phoneNumber;
            String message = currentMessage.getDisplayMessageBody();

Log.i("SmsReceiver", "senderNum: " + senderNum + "; message: " + message);

            int duration = Toast.LENGTH_LONG;

Toast toast = Toast.makeText(context, "senderNum: " + senderNum + ", message: " + message, duration);
            toast.show();

        } // end for loop
    } // bundle is null

} catch (Exception e) {
    Log.e("SmsReceiver", "Exception smsReceiver" +e);
}
}
}

```