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Layouts



LinearLayout
RelativeLayout
GridLayout
TableLayout
FrameLayout
Fragment

Composite

ListView
ExpandableListVi
ew
GridView
ScrollView
SearchView
Sliding Drawer
Tab Widget
WebView

Transitions

Image Switcher
StackView
TextSwitcher
ViewAnimator
View Flipper
View Switcher

Advanced

Request Focus
View
View Stub
TextureView
Gesture Overlay
View
SurfaceView
NumberPicker
Zoom Button
Zoom Controls
AbsoluteLayout

Database

SharedPreference
SQLite DB
MySQL DB

Webservices

Check
HttpURLConnection
n
Single
Webservice Call
Multi Webservice
Call
ListView from
Webservice
SQLite from

Webservice
Data from
Database

Telephone Manager

IMEI
IMSI
Phone Type
Sim Type
Network Type

Content Providers

Contact Provider
BookMark
Provider
Own Provider

Message & Networking

Send SMS
SMS with Reports
Group SMS
Send E-Mail
Download Binary
Data

Location Based Service

Display Google
Map
Events with
Google Map

Android Services

Create Service
Create Longtime
Service
Asynchronous
Task
Repeating
Services
IntentService
Activity from a
Service
Bind Activity to
Service

Sample Projects

HMS
CNB
Login Screen

A. S e n d S M S t h r o u g h A n
B. G e t t i n g F e e d b a c k (R e
C. S e n d G r o u p S M S t h r o

Note

[Download ADT Plugin Here.](#)

Here I am using,

OS : Linux (Ubuntu 12.04)

Eclipse : Juno (Version 4.2.0)

Android API Level : 3 to 'n' as per need

Emulator API Level : It will be displayed in output image



A. Send SMS through Android Application

Step 1 : Select File -> New -> Project -> Android Application Project (or) Android Project and click "Finish" button. If you have any doubt regarding create a new project [Click Here](#)

Step 2 : Open res -> layout -> **activity_main.xml (or) main.xml** and add following code

```
<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" >

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_alignParentBottom="true"
        android:layout_marginBottom="30dp"
        android:text="Send SMS" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="33dp"
        android:hint="Phone Number"
        android:ems="10"
        android:inputType="number" >

        <requestFocus />
    </EditText>
```

Camera Event
Browse Option
QR Code Events
Accelerometer
Sensor
EditText from
Spinner

Step 3 : Open src -> package -> **MainActivity.java** and add following code :

```
package balaji.sms_sendind;

import android.os.Bundle;
import android.app.Activity;
import android.telephony.SmsManager;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends Activity {

    Button Send;
    EditText Phone, Msg;

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

        Phone = (EditText) findViewById(R.id.editText1);
        Msg = (EditText) findViewById(R.id.editText2);

        Send = (Button) findViewById(R.id.button1);
        Send.setOnClickListener(new View.OnClickListener()
        {
            public void onClick(View v)
            {
```

Step 4 : Open **AndroidManifest.xml** and add following code :

```

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

    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="15" />
    <uses-permission android:name="android.permission.SEND_SMS"/>

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

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

</manifest>

```

Step 5 : Open res ->values ->**strings.xml** and add following code :

```

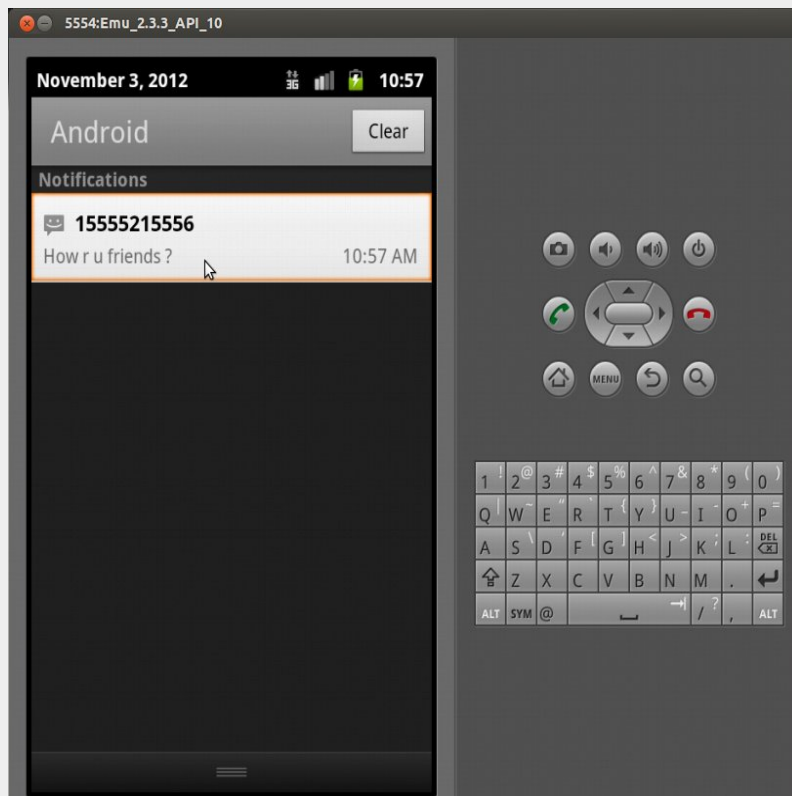
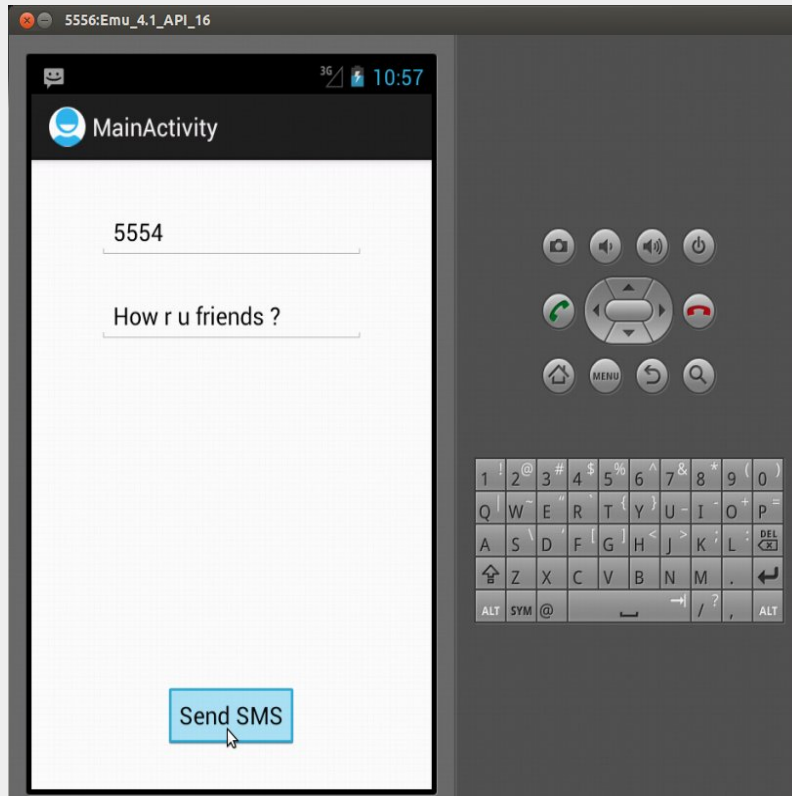
<resources>

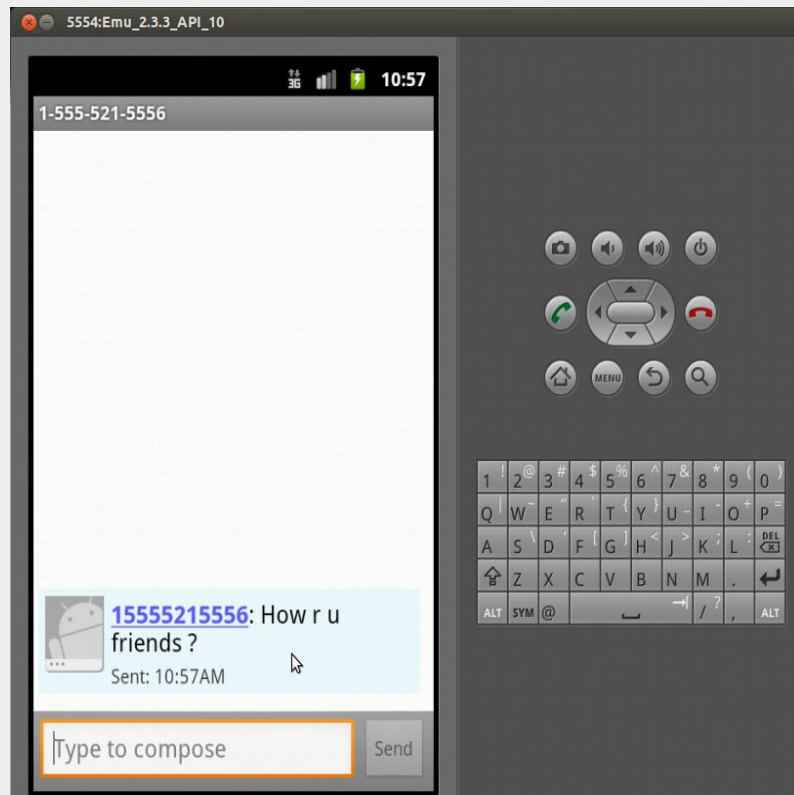
    <string name="app_name">SMS_Sendind</string>
    <string name="hello_world">Hello world!</string>
    <string name="menu_settings">Settings</string>
    <string name="title_activity_main">MainActivity</string>

</resources>

```

Step 6 : Our output will be like this :





B. Getting Feedback (Reports) after send SMS

Step 1 : Select File -> New -> Project -> Android Application Project (or) Android Project. Fill the forms and click "Finish" button. If you have any doubt regarding create a new project [Click Here](#).

Step 2 : Open res -> layout -> **activity_main.xml (or) main.xml** and add following code :

```
<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" >

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_alignParentBottom="true"
        android:layout_marginBottom="30dp"
        android:text="Send SMS" />

    <EditText
        android:id="@+id/editText1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="33dp"
        android:hint="Phone Number"
        android:ems="10"
        android:inputType="number" >

        <requestFocus />
    </EditText>
```

Step 3 : Open src -> package -> **MainActivity.java** and add following code :


```
package balaji.sms_send_with_reports;

import android.os.Bundle;
import android.app.Activity;
import android.app.PendingIntent;
import android.content.BroadcastReceiver;
import android.content.Context;
import android.content.Intent;
import android.content.IntentFilter;
import android.telephony.SmsManager;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;

public class MainActivity extends Activity {

    Button Send;
    EditText Phone, Msg;

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

Step 4 : Open **AndroidManifest.xml** and add following code :

```

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

    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="15" />
    <uses-permission android:name="android.permission.SEND_SMS"/>

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

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

</manifest>

```

Step 5 : Open res ->values ->**strings.xml** and add following code :

```

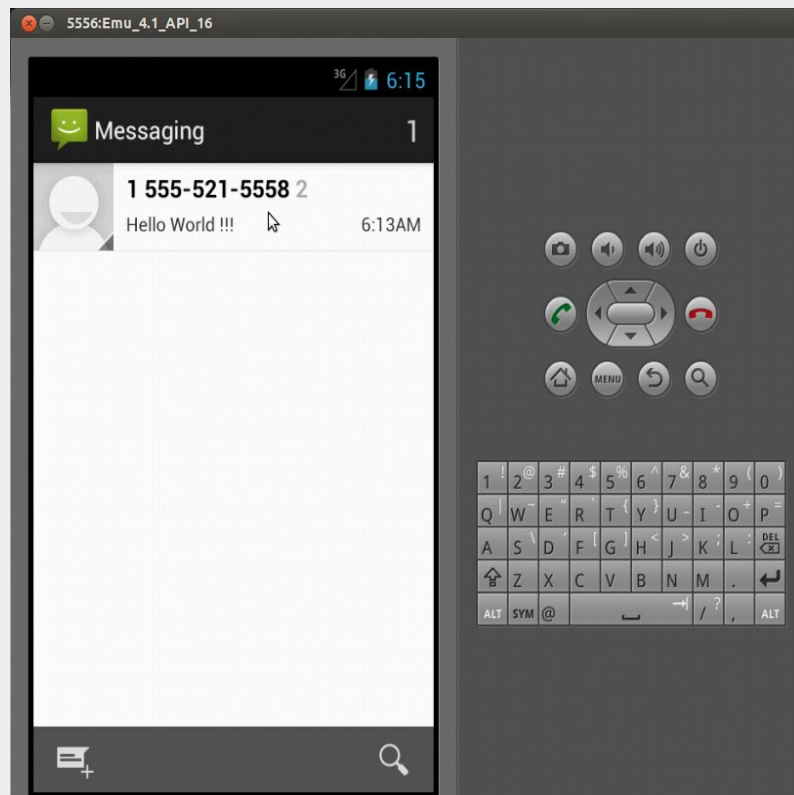
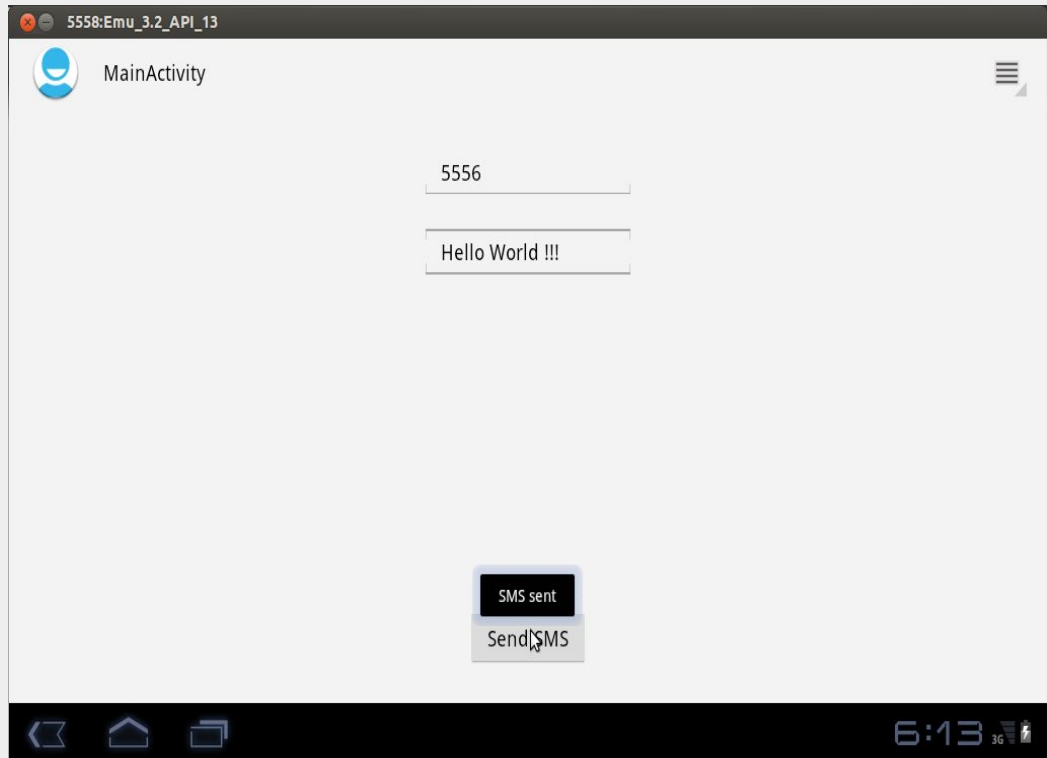
<resources>

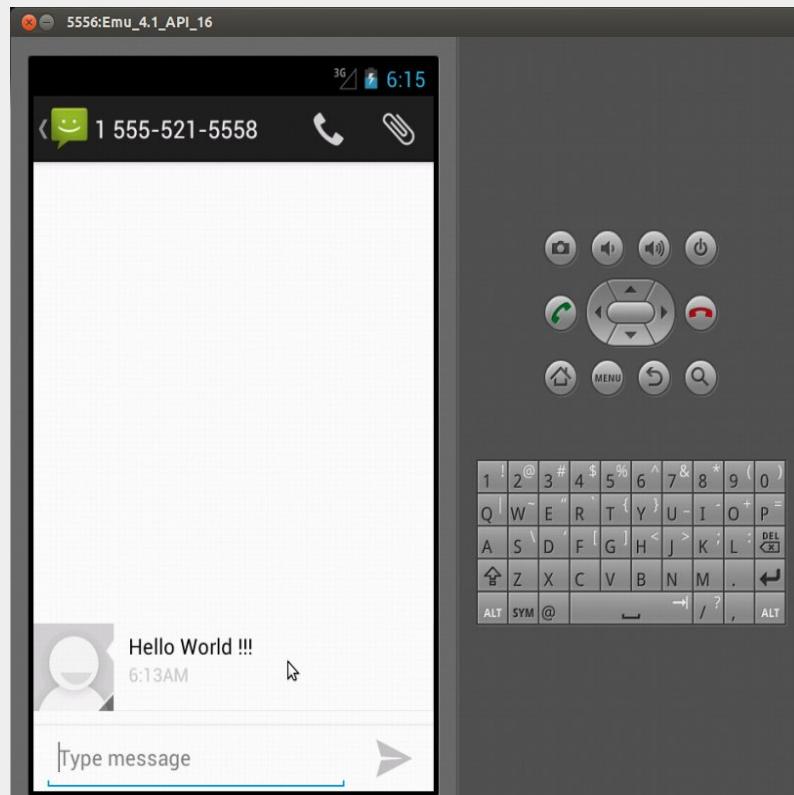
    <string name="app_name">SMS_Send_with_Reports</string>
    <string name="hello_world">Hello world!</string>
    <string name="menu_settings">Settings</string>
    <string name="title_activity_main">MainActivity</string>

</resources>

```

Step 6 : Our output will be like this :





C. Send Group SMS through Android Application

Step 1 : Select File -> New -> Project -> Android Application Project (or) Android Project. Fill the forms and click "Finish" button. If you have any doubt regarding create a new project [Click Here](#).

Step 2 : Open res -> layout -> **activity_main.xml (or) main.xml** and add following code :

```

<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" >

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="88dp"
        android:text="Send Group SMS" />

</RelativeLayout>

```

Step 3 : Open src -> package -> **MainActivity.java** and add following code :

```

package balaji.sms_many_users;

import java.util.ArrayList;
import java.util.List;
import android.net.Uri;
import android.os.Bundle;
import android.app.Activity;
import android.app.PendingIntent;
import android.content.BroadcastReceiver;
import android.content.ContentValues;
import android.content.Context;
import android.content.Intent;
import android.content.IntentFilter;
import android.telephony.SmsManager;
import android.view.Menu;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;

public class MainActivity extends Activity {

    Button Send;
    List<String> Mobile_Number;
    String text = "Hello Android Friends";

    @Override

```

Step 4 : Open **AndroidManifest.xml** and add following code :

```

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

    <uses-sdk
        android:minSdkVersion="8"
        android:targetSdkVersion="15" />

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

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

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

```

Step 5 : Open res ->values ->**strings.xml** and add following code :

```

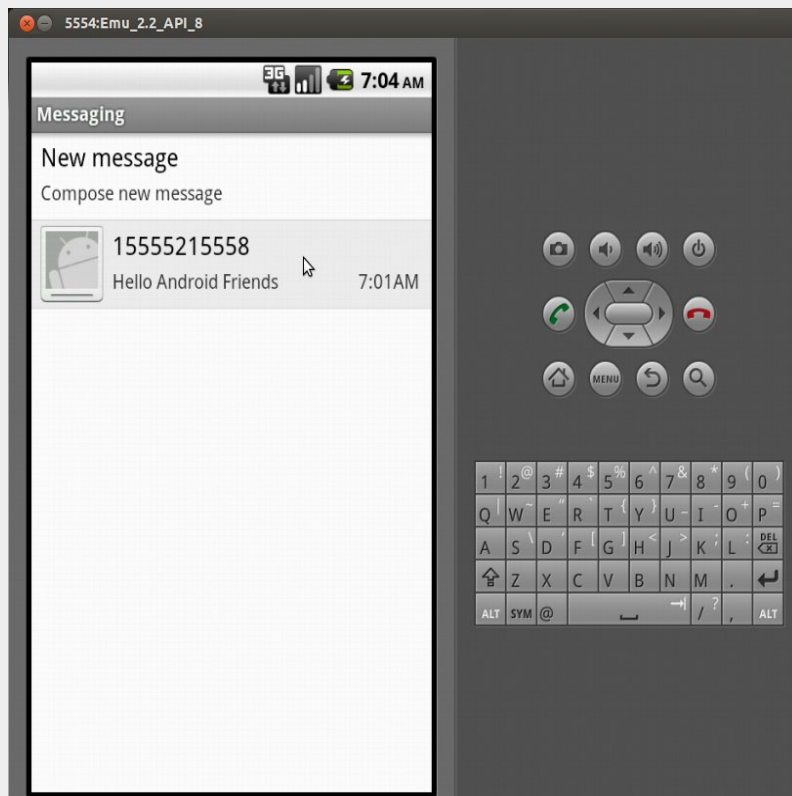
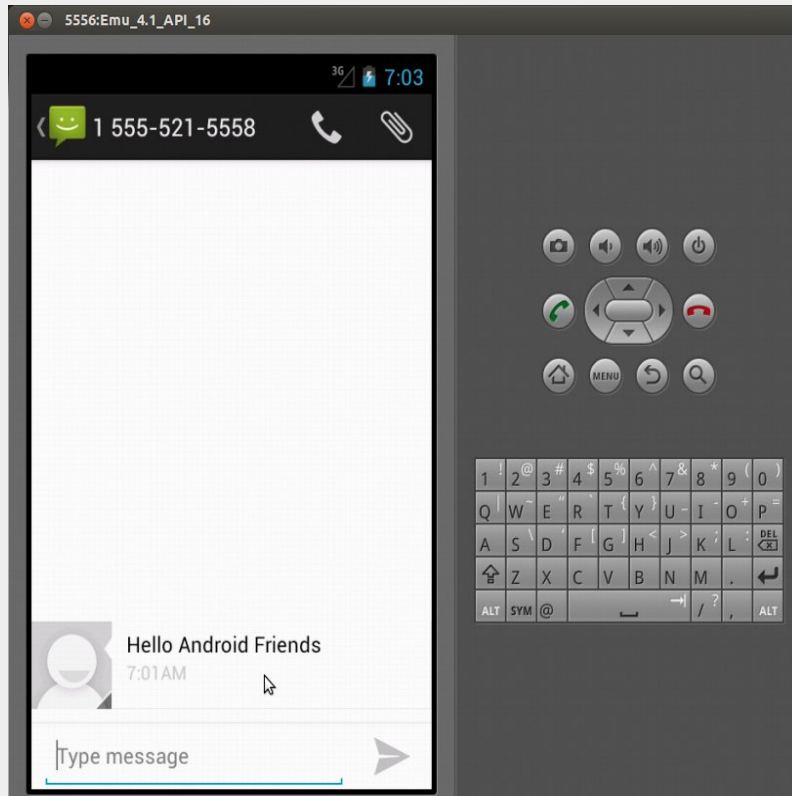
<resources>

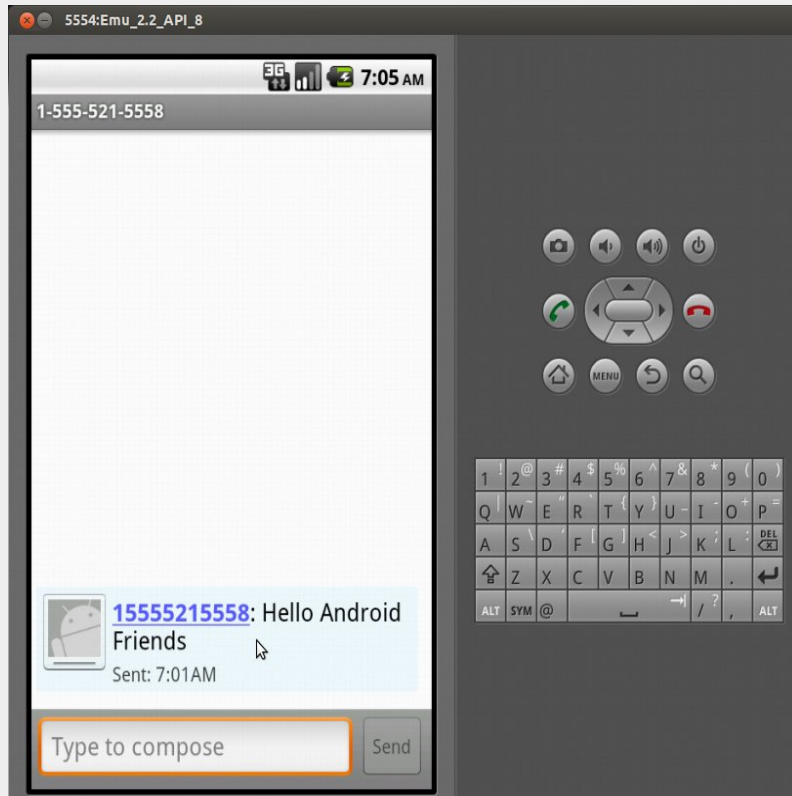
    <string name="app_name">SMS_Many_Users</string>
    <string name="hello_world">Hello world!</string>
    <string name="menu_settings">Settings</string>
    <string name="title_activity_main">MainActivity</string>

</resources>

```

Step 6 : Our output will be like this :





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