



Android - Phone Calls

Advertisements



appropriate

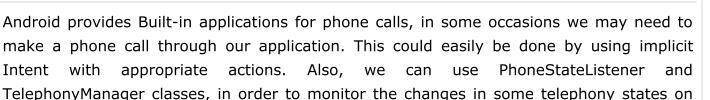
Intent object required to make a call.

Previous Page

Intent with

the device.

Next Page **⊙**



This chapter lists down all the simple steps to create an application which can be used to make a Phone Call. You can use Android Intent to make phone call by calling built-in Phone Call functionality of the Android. Following section explains different parts of our

we

can

use

Also,

Intent Object - Action to make Phone Call

actions.

You will use **ACTION_CALL** action to trigger built-in phone call functionality available in Android device. Following is simple syntax to create an intent with ACTION CALL action

Intent phoneIntent = new Intent(Intent.ACTION_CALL);

You can use ACTION_DIAL action instead of ACTION_CALL, in that case you will have option to modify hardcoded phone number before making a call instead of making a direct call.

Intent Object - Data/Type to make Phone Call

We use cookies to provide and improve our services. By using our site, you consent to our Cookies Policy.

Accept

Example

Following example shows you in practical how to use Android Intent to make phone call to the given mobile number.

To experiment with this example, you will need actual Mobile device equipped with latest Android OS, otherwise you will have to struggle with emulator which may not work.

Step	Description
1	You will use Android studio IDE to create an Android application and name it as <i>My Application</i> under a package <i>com.example.saira_000.myapplication</i> .
2	Modify src/MainActivity.java file and add required code to take care of making a call.
3	Modify layout XML file <i>res/layout/activity_main.xml</i> add any GUI component if required. I'm adding a simple button to Call 91-000-000-0000 number
4	No need to define default string constants. Android studio takes care of default constants.
5	Modify <i>AndroidManifest.xml</i> as shown below
6	Run the application to launch Android emulator and verify the result of the changes done in the application.

Following is the content of the modified main activity file **src/MainActivity.java**.

```
package com.example.saira_000.myapplication;

import android.Manifest;
import android.content.Intent;
import android.content.pm.PackageManager;
import android.net.Uri;
import android.os.Bundle;
import android.support.v4.app.ActivityCompat;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.Button;
```

We use cookies to provide and improve our services. By using our site, you consent to our Cookies Policy.

Accept

3/18/2019 Android Phone Calls

Following will be the content of **res/layout/activity_main.xml** file –

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

    <Button
        android:layout_width="wrap_content"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="call 0377778888" />
</LinearLayout>
```

Following will be the content of **res/values/strings.xml** to define two new constants –

Following is the default content of **AndroidManifest.xml** –

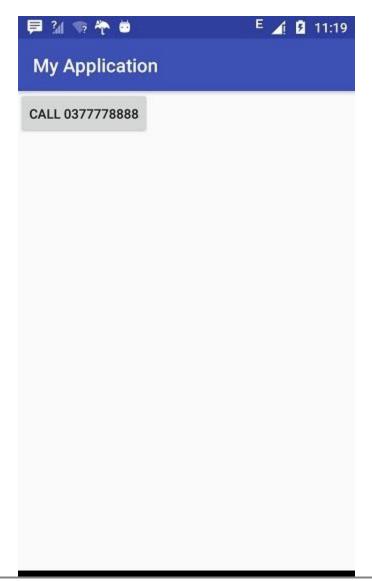
```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
   package="com.example.saira_000.myapplication" >
   <uses-permission android:name="android.permission.CALL_PHONE" />
   <application
     android:allowBackup="true"
     android:icon="@drawable/ic_launcher"</pre>
```

We use cookies to provide and improve our services. By using our site, you consent to our Cookies Policy.

Accept

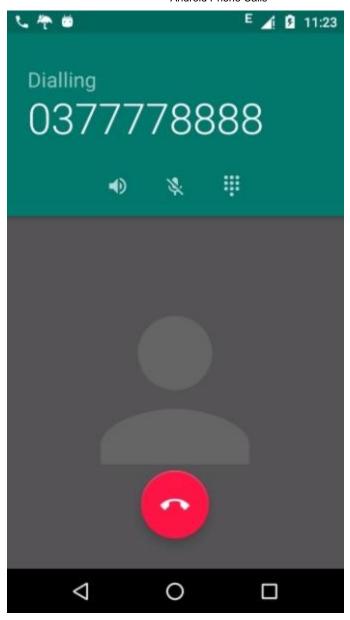
3/18/2019 Android Phone Calls

Let's try to run your **My Application** application. I assume you have connected your actual Android Mobile device with your computer. To run the app from Android studio, open one of your project's activity files and click Run **○** icon from the toolbar. Select your mobile device as an option and then check your mobile device which will display following screen −



We use cookies to provide and improve our services. By using our site, you consent to our Cookies Policy.

Accept



Previous Page
Advertisements

We use cookies to provide and improve our services. By using our site, you consent to our Cookies Policy.

Accept





Privacy Policy Cookies Policy Contact

© Copyright 2019. All Rights Reserved.

Enter email for newsletter go

We use cookies to provide and improve our services. By using our site, you consent to our Cookies Policy.

Accept