Android Popup Menu Example

Android Popup Menu displays the menu below the anchor text if space is available otherwise above the anchor text. It disappears if you click outside the popup menu.

The android.widget.PopupMenu is the direct subclass of java.lang.Object class.

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Let's see how to create popup menu in android.

activity_main.xml

It contains only one button.

File: activity_main.xml

```
<RelativeLayout xmlns:androclass="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=".MainActivity" >

    <Button
        android:id="@+id/button1"
```

```
    android:layout_width="wrap_content"

    android:layout_height="wrap_content"

    android:layout_alignParentLeft="true"

    android:layout_alignParentTop="true"

    android:layout_marginLeft="62dp"

    android:layout_marginTop="50dp"

    android:text="Show Popup" />


</RelativeLayout>
```

popup_menu.xml

It contains three items as show below. It is created inside the res/menu directory.

File: poupup_menu.xml

```
<menu xmlns:androclass="http://schemas.android.com/apk/res/android" >

    <item
        android:id="@+id/one"
        android:title="One"/>


    <item
        android:id="@+id/two"
        android:title="Two"/>


    <item
        android:id="@+id/three"
```

```
        android:title="Three"/>


</menu>
```

Activity class

It displays the popup menu on button click.

File: MainActivity.java

```java
package com.javatpoint.popupmenu;

import android.os.Bundle;

import android.app.Activity;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.Button;

import android.widget.PopupMenu;

import android.widget.Toast;

public class MainActivity extends Activity {

Button button1;


    @Override

    protected void onCreate(Bundle savedInstanceState) {

     super.onCreate(savedInstanceState);

     setContentView(R.layout.activity_main);
```

```
    button1 = (Button) findViewById(R.id.button1);

    button1.setOnClickListener(new OnClickListener() {


     @Override
     public void onClick(View v) {
      //Creating the instance of PopupMenu
      PopupMenu popup = new PopupMenu(MainActivity.this, button1);
      //Inflating the Popup using xml file
      popup.getMenuInflater().inflate(R.menu.popup_menu, popup.getMenu());


      //registering popup with OnMenuItemClickListener
      popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
       public boolean onMenuItemClick(MenuItem item) {
        Toast.makeText(MainActivity.this,"You Clicked : " + item.getTitle(),Toast.LENGTH_SHORT).show();
        return true;
       }
      });


      popup.show();//showing popup menu
     }
    });//closing the setOnClickListener method
    }
  }
```
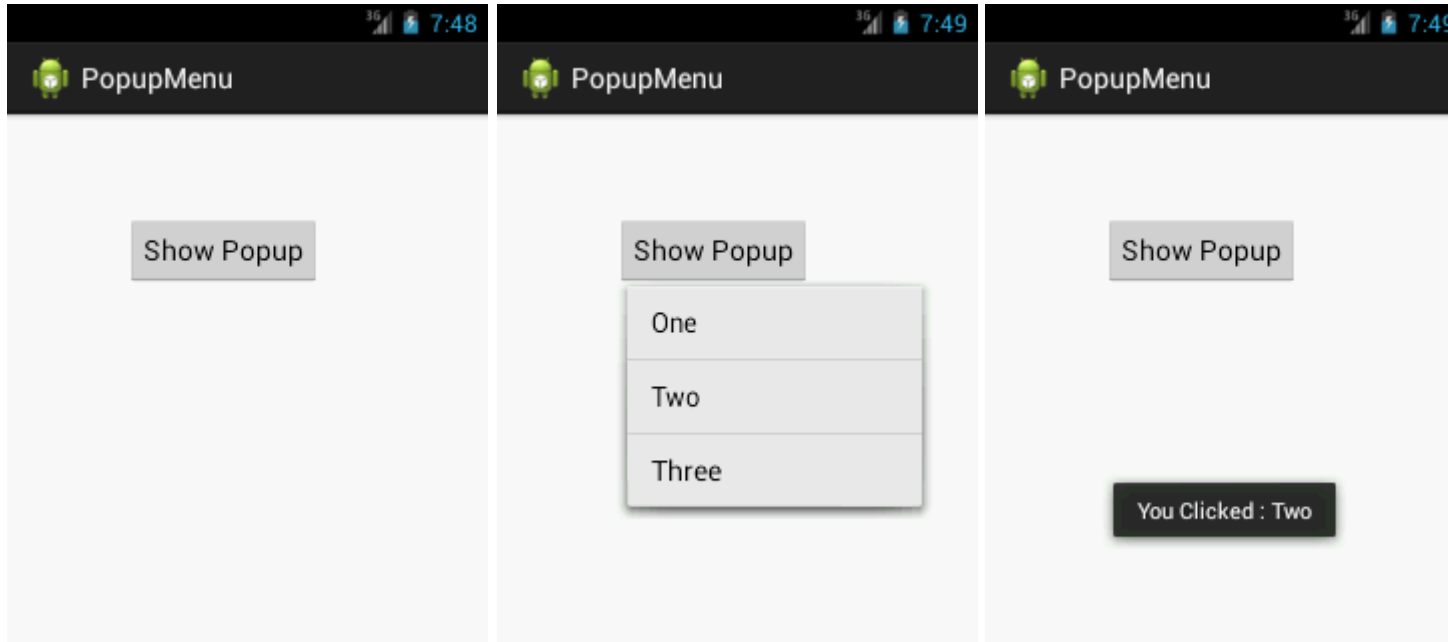
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Output:

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