Android Spinner

Let's see the simple example of spinner in android.

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

Drag the Spinner from the pallete, now the activity\_main.xml file will like this:

*File: activity\_main.xml*

1. **<RelativeLayout** xmlns:androclass="http://schemas.android.com/apk/res/android"
2. xmlns:tools="http://schemas.android.com/tools"
3. android:layout\_width="match\_parent"
4. android:layout\_height="match\_parent"
5. tools:context=".MainActivity" **>**
7. **<Spinner**
8. android:id="@+id/spinner1"
9. android:layout\_width="wrap\_content"
10. android:layout\_height="wrap\_content"
11. android:layout\_alignParentTop="true"
12. android:layout\_centerHorizontal="true"
13. android:layout\_marginTop="83dp" **/>**
15. **</RelativeLayout>**

#### **Activity class**

Let's write the code to display item on the spinner and perform event handling.

*File: MainActivity.java*

1. **package** com.example.spinner;
2. **import** android.app.Activity;
3. **import** android.os.Bundle;
4. **import** android.view.Menu;
5. **import** android.view.View;
6. **import** android.widget.AdapterView;
7. **import** android.widget.ArrayAdapter;
8. **import** android.widget.Spinner;
9. **import** android.widget.TextView;
10. **import** android.widget.Toast;
12. **public** **class** MainActivity **extends** Activity **implements**
13. AdapterView.OnItemSelectedListener {
15. String[] country = { "India", "USA", "China", "Japan", "Other",  };
17. @Override
18. **protected** **void** onCreate(Bundle savedInstanceState) {
19. **super**.onCreate(savedInstanceState);
20. setContentView(R.layout.activity\_main);
21. //Getting the instance of Spinner and applying OnItemSelectedListener on it
22. Spinner spin = (Spinner) findViewById(R.id.spinner1);
23. spin.setOnItemSelectedListener(**this**);
25. //Creating the ArrayAdapter instance having the country list
26. ArrayAdapter aa = **new** ArrayAdapter(**this**,android.R.layout.simple\_spinner\_item,country);
27. aa.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);
28. //Setting the ArrayAdapter data on the Spinner
29. spin.setAdapter(aa);
30. }

33. //Performing action onItemSelected and onNothing selected
34. @Override
35. **public** **void** onItemSelected(AdapterView<?> arg0, View arg1, **int** position,**long** id) {
36. Toast.makeText(getApplicationContext(),country[position] ,Toast.LENGTH\_LONG).show();
37. }
39. @Override
40. **public** **void** onNothingSelected(AdapterView<?> arg0) {
41. // TODO Auto-generated method stub
43. }
45. @Override
46. **public** **boolean** onCreateOptionsMenu(Menu menu) {
47. // Inflate the menu; this adds items to the action bar if it is present.
48. getMenuInflater().inflate(R.menu.activity\_main, menu);
49. **return** **true**;
50. }
51. }