

Program

Aim: Program to develop an application that implements spinner component and perform event handling.

XML Code:

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

<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">
    <Spinner
        android:id="@+id/spinner"
        android:layout_width="197dp"
        android:layout_height="70dp"
        tools:layout_editor_absoluteX="92dp"
        tools:layout_editor_absoluteY="297dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.502"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.48"/>
</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code:

```
package com.example.spinnercomponents;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
```

```
import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Spinner;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements
    AdapterView.OnItemClickListener {

    String[] country={"india","china","japan","other"};

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        Spinner spin =(Spinner) findViewById(R.id.spinner);

        spin.setOnItemClickListener(this);

        ArrayAdapter aa = new
        ArrayAdapter(this,android.R.layout.simple_spinner_item,country);

        aa.setDropDownViewResource(android.R.layout.simple_spinner_item);

        spin.setAdapter(aa);

    }

    @Override

    public void onItemClick(AdapterView<?> arg0, View arg1, int position, long id){

        Toast.makeText(getApplicationContext(),country[position],Toast.LENGTH_LONG).show();

    }

    @Override

    public void onNothingSelected(AdapterView<?>arg0){

    }

}
```

Output:



