**Program No:14** **Date:25.10.2022**

**Aim:**

Develop an application that implements spinner component and perform event handling.

**Program Code:**

**activity\_main.xml:**

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout 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">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Select your nation:"  
 android:id="@+id/t1"  
 android:textSize="20dp" />  
  
 <Spinner  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/t1"  
 android:id="@+id/spinner"/>  
  
</RelativeLayout>

**MainActivity.java:**

package com.example.myapplication15;  
  
import androidx.annotation.NonNull;  
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.OnItemSelectedListener{  
 String[] country={"India","China","U.S.A","Russia","Other"};  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Spinner spin=(Spinner)findViewById(R.id.*spinner*);  
 spin.setOnItemSelectedListener(this);  
 ArrayAdapter ar=new ArrayAdapter(this, android.R.layout.*simple\_spinner\_item*,country);  
 ar.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 spin.setAdapter(ar);  
 }  
 @Override  
 public void onItemSelected(AdapterView arg0, View arg1, int position, long id){  
 Toast.*makeText*(getApplicationContext(),country[position] ,  
 Toast.*LENGTH\_LONG*).show();  
 }  
  
 @Override  
 public void onNothingSelected(AdapterView<?> adapterView){  
  
 }  
}

**Output**

