

PROGRAM NO : 16

Aim : Develop an application that implements Spinner component and perform event handling

JAVA Code

```
package com.example.spinner;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity implements
    AdapterView.OnItemClickListener {
    String[] country={"India","USA","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.setOnItemSelectedListener(this);

        ArrayAdapter aa=new ArrayAdapter(this, android.R.layout.simple_spinner_item,country);
        aa.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spin.setAdapter(aa);
    }

    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {

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

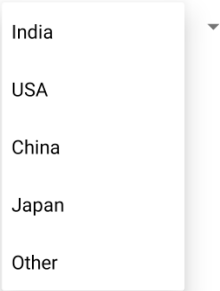
    @Override
    public void onNothingSelected(AdapterView<?> parent) {
```

```
}  
}
```

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="200dp"  
        android:layout_height="40dp"  
        android:layout_marginBottom="8dp"  
        android:layout_marginLeft="8dp"  
        android:layout_marginRight="8dp"  
        android:layout_marginTop="8dp"  
        app:layout_constraintBottom_toBottomOf="parent"  
        app:layout_constraintEnd_toEndOf="parent"  
        app:layout_constraintStart_toStartOf="parent"  
        app:layout_constraintTop_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT



USA ▼

USA

