**Program no: 16**

**Aim:** 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"](http://schemas.android.com/apk/res/android)

xmlns:app="[http://schemas.android.com/apk/res-auto"](http://schemas.android.com/apk/res-auto) xmlns:tools="[http://schemas.android.com/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\_height="50dp" android:layout\_width="160dp"

android:layout\_marginEnd="10dp" android:layout\_marginStart="10dp" android:layout\_marginBottom="10dp" android:layout\_marginTop="10dp" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent"/>

</androidx.constraintlayout.widget.ConstraintLayout>

# Java Code:

package com.example.myapp;

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 = { "Parasyte", "Jujutsu Kaisen", "Code Geass", "Death Note", "Others"};

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

//Getting the instance of Spinner and applying OnItemSelectedListener on it Spinner spin = (Spinner) findViewById(R.id.spinner); spin.setOnItemSelectedListener(this);

//Creating the ArrayAdapter instance having the country list ArrayAdapter aa = new

ArrayAdapter(this,android.R.layout.simple\_spinner\_item,country); aa.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item);

//Setting the ArrayAdapter data on the Spinner spin.setAdapter(aa);

}

//Performing action onItemSelected and onNothing selected @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<?> arg0) {

// TODO Auto-generated method stub

}

}

# Output:

