

Aim: Write a program to develop an application that implements Spinners components and perform event handling.

Program

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:gravity="center"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Birds Spinner"
        android:textStyle="bold"
        android:textSize="20sp"
        android:textColor="@color/black"/>

    <Spinner
        android:id="@+id/spinner"
        android:layout_width="wrap_content"
```

```
android:layout_height="wrap_content"  
android:layout_margin="10dp"/>
```

```
</LinearLayout>
```

MainActivity.java

```
package com.example.spinner;
```

```
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 {
```

```
    Spinner spinner;
```

```
    String[] designations={"Select a bird", "Parrot", "Crow", "Pigeon", "Eagle", "Cuckoo"};
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
```

```
        super.onCreate(savedInstanceState);
```

```
        setContentView(R.layout.activity_main);
```

```
        spinner=findViewById(R.id.spinner);
```

```
        spinner.setSelection(0,false);
```

```
ArrayAdapter adapter=new ArrayAdapter(this, android.R.layout.simple_spinner_item,
designations);

adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
spinner.setAdapter(adapter);


spinner.setOnItemClickListener(new AdapterView.OnItemClickListener() {

    @Override

    public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {

        Toast.makeText(getApplicationContext(),"Selected bird is:"+designations[i],
Toast.LENGTH_SHORT).show();

    }

    @Override

    public void onNothingSelected(AdapterView<?> adapterView) {

    }

});

}

}
```