**PROGRAM 11 - SPINNER COMPONENT & PERFORM EVENT HANDLING**

**activity\_main.xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:padding="16dp">  
 <Spinner  
 android:id="@+id/my\_spinner"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:minHeight="48dp" />  
 <TextView  
 android:id="@+id/selected\_item"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:paddingTop="16dp" />  
</LinearLayout>

**MainActivity.java**

package com.example.spinnereventhandling;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Spinner;  
import android.widget.TextView;  
import androidx.appcompat.app.AppCompatActivity;  
public class MainActivity extends AppCompatActivity {  
 private Spinner mySpinner;  
 private TextView selectedItemTextView;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mySpinner = findViewById(R.id.*my\_spinner*);  
 selectedItemTextView = findViewById(R.id.*selected\_item*);  
// Create an ArrayAdapter using a string array and a default spinner layout  
 ArrayAdapter<CharSequence> adapter = ArrayAdapter.*createFromResource*(this,  
 R.array.*spinner\_items*, android.R.layout.*simple\_spinner\_item*);  
// Specify the layout to use when the list of choices appears  
 adapter.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
// Apply the adapter to the spinner  
 mySpinner.setAdapter(adapter);  
// Set an item selected listener on the Spinner  
 mySpinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
 @Override  
 public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {  
 String selectedItem = parent.getItemAtPosition(position).toString();  
 selectedItemTextView.setText("Selected: " + selectedItem);  
 }  
 @Override  
 public void onNothingSelected(AdapterView<?> parent) {  
 selectedItemTextView.setText("Nothing selected");  
 }  
 });  
 }  
}

**strings.xml**

<resources>  
 <string name="app\_name">Spinner Event handling</string>  
<string-array name="spinner\_items">  
 <item>Item 1</item>  
 <item>Item 2</item>  
 <item>Item 3</item>  
 <item>Item 4</item>  
</string-array>  
</resources>

**OUTPUT**

