**Listview**

**MainActivity.java**

package com.example.listbaseexample;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.widget.ListView;  
  
public class MainActivity extends AppCompatActivity {  
 ListView simpleList;  
 String countryList[] = {"India", "Iran", "Laos", "Seychelles"};  
 int flags[] = {R.drawable.*india*, R.drawable.*laos*, R.drawable.*iran*, R.drawable.*seychelles*};  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 simpleList = (ListView) findViewById(R.id.*simpleListView*);  
 CustomAdapter customAdapter = new CustomAdapter(getApplicationContext(), countryList, flags);  
 simpleList.setAdapter(customAdapter);  
 }  
}

**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">  
  
 <ListView  
 android:id="@+id/simpleListView"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:divider="@color/material\_blue\_grey\_800"  
 android:dividerHeight="1dp"  
 android:footerDividersEnabled="false" />  
</LinearLayout>

**activity\_listview.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="horizontal">  
  
 <ImageView  
 android:id="@+id/icon"  
 android:layout\_width="50dp"  
 android:layout\_height="50dp"  
 android:src="@drawable/ic\_launcher" />  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:padding="@dimen/activity\_horizontal\_margin"  
 android:textColor="@color/black" />  
</LinearLayout>

**activity\_custom\_adapter.xml**

<?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=".CustomAdapter">  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**CustomAdapter.java**

package com.example.listbaseexample;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.content.Context;  
import android.media.Image;  
import android.view.LayoutInflater;  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.BaseAdapter;  
import android.widget.ImageView;  
import android.widget.TextView;  
import java.util.zip.Inflater;  
  
public class CustomAdapter extends BaseAdapter {  
  
 Context context;  
 String countryList[];  
 int flags[];  
 LayoutInflater inflter;  
  
 public CustomAdapter(Context applicationContext, String[] countryList, int[] flags) {  
 this.context = context;  
 this.countryList = countryList;  
 this.flags = flags;  
 inflter = (LayoutInflater.*from*(applicationContext));  
 }  
  
 @Override  
 public int getCount() {  
 return countryList.length;  
 }  
  
 @Override  
 public Object getItem(int i) {  
 return null;  
 }  
  
 @Override  
 public long getItemId(int i) {  
 return 0;  
 }  
  
 @Override  
 public View getView(int i, View view, ViewGroup viewGroup) {  
 view = inflter.inflate(R.layout.*activity\_listview*, null);  
 TextView country = (TextView) view.findViewById(R.id.*textView*);  
 ImageView icon = (ImageView) view.findViewById(R.id.*icon*);  
 country.setText(countryList[i]);  
 icon.setImageResource(flags[i]);  
 return view;  
 }}