Day 8 Android Custom Listview

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"  
 tools:context=".MainActivity">  
  
 <ListView  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/list\_item"  
 android:divider="@android:color/black"  
 android:dividerHeight="10dp"/>  
</LinearLayout>

MainActivity.java

package com.example.listexample;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import java.lang.reflect.Array;  
  
public class MainActivity extends AppCompatActivity {  
  
 //Array of strings...  
 ListView list\_item;  
 String countryList[] = {"ANDORID","PYTHON","PHP","JAVA","IOS","C++","RUBY","KOTLIN","SQL","HTML"};  
 int flags[] = {R.drawable.*android*, R.drawable.*python*,R.drawable.*php*,R.drawable.*java*,R.drawable.*ios*,R.drawable.*c*,R.drawable.*ruby*,R.drawable.*kotlin*,R.drawable.*mysql*,R.drawable.*html*};  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 list\_item = (ListView) findViewById(R.id.*list\_item*);  
 CustomAdapter customAdapter = new CustomAdapter(getApplicationContext(),countryList, flags);  
 list\_item.setAdapter(customAdapter);  
  
 }  
}

activity\_listview.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"  
 tools:context=".ListviewActivity">  
  
  
 <ImageView  
 android:layout\_width="50dp"  
 android:layout\_height="50dp"  
 android:id="@+id/icon"/>  
  
 <TextView  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textview"  
 android:gravity="center"  
 android:textColor="@android:color/black"  
 android:padding="@dimen/cardview\_compat\_inset\_shadow"/>

</LinearLayout>

ListviewActivity.java

package com.example.listexample;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
public class ListviewActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_listview*);  
 }  
}

CustomAdapter.java

package com.example.listexample;  
  
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;  
  
  
public class CustomAdapter extends BaseAdapter  
{  
 Context context;  
 String countryList[];  
 int[] flags;  
 LayoutInflater inflater;  
  
 public CustomAdapter(Context applicationContent, String[] countryList, int[] flags){  
 this.context = context;  
 this.countryList = countryList;  
 this.flags = flags;  
 inflater = (LayoutInflater.*from*(applicationContent));  
 }  
  
  
 @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 = inflater.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;  
 }  
}

Output:

 