实验三：列表视图

用优化的列表视图按如图格式显示商品的信息。每个商品有图片、品名和价格三个数据。



MainActivity.java

package com.shf.app23\_sy3;  
  
import android.view.View;  
import android.view.ViewGroup;  
import android.widget.\*;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
  
import java.util.ArrayList;  
import java.util.HashMap;  
import java.util.List;  
import java.util.Map;  
  
public class MainActivity extends AppCompatActivity *{* private ArrayList*<*ShopInfo*>* data;  
 private ListView lv\_main;  
  
 @Override  
 protected void onCreate*(*Bundle savedInstanceState*) {* super.onCreate*(*savedInstanceState*)*;  
 setContentView*(*R.layout.*activity\_main)*;  
  
 lv\_main = findViewById*(*R.id.*lv\_main)*;  
  
*// 准备基集合数据* data = new ArrayList*<>()*;  
 data.add*(*new ShopInfo*(*R.drawable.*apple*,"苹果","10元/KG"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*cake*,"蛋糕","300元"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*kiwifruit*,"猕猴桃","15元/KG"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*scarf*,"围巾","20元"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*table*,"桌子","350元"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*wireclothes*,"外套","300元"*))*;  
  
 data.add*(*new ShopInfo*(*R.drawable.*apple*,"苹果","10元/KG"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*cake*,"蛋糕","300元"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*kiwifruit*,"猕猴桃","15元/KG"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*scarf*,"围巾","20元"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*table*,"桌子","350元"*))*;  
 data.add*(*new ShopInfo*(*R.drawable.*wireclothes*,"外套","300元"*))*;  
*// 准备BaseAdapter对象* MyAdapter adapter = new MyAdapter*()*;  
*// 设置Adapter显示列表* lv\_main.setAdapter*(*adapter*)*;  
 *}* class MyAdapter extends BaseAdapter*{* @Override  
 public int getCount*() {* return data.size*()*;  
 *}* @Override  
 public Object getItem*(*int i*) {* return data.get*(*i*)*;  
 *}* @Override  
 public long getItemId*(*int i*) {* return 0;  
 *}* @Override  
 public View getView*(*int i, View view, ViewGroup viewGroup*) {  
 // 如果没有复用的* if *(*view==null*){  
// 加载item布局，得到View对象* view = View.*inflate(*MainActivity.this, R.layout.*activity\_main\_simple\_adapter*, null*)*;  
 *}  
  
  
// 根据position设置对应的数据  
// 得到当前行的数据对象* ShopInfo shopInfo = data.get*(*i*)*;  
*// 得到子View对象* ImageView imageView = view.findViewById*(*R.id.*iv\_item\_icon)*;  
 TextView nameTV = view.findViewById*(*R.id.*iv\_item\_name)*;  
 TextView contentTV = view.findViewById*(*R.id.*iv\_item\_content)*;  
*// 设置数据* imageView.setImageResource*(*shopInfo.getIcon*())*;  
 nameTV.setText*(*shopInfo.getName*())*;  
 contentTV.setText*(*shopInfo.getContent*())*;  
 return view;  
 *}  
 }  
}*

ShopInfo.java

package com.shf.app23\_sy3;  
  
*/\*\*  
 \* 每行Item你的数据信息封装类  
 \*/*public class ShopInfo *{* private int icon;  
 private String name;  
 private String content;  
  
 public ShopInfo*(*int icon, String name, String content*) {* this.icon = icon;  
 this.name = name;  
 this.content = content;  
 *}* public ShopInfo*() {  
 }* public int getIcon*() {* return icon;  
 *}* public void setIcon*(*int icon*) {* this.icon = icon;  
 *}* public String getName*() {* return name;  
 *}* public void setName*(*String name*) {* this.name = name;  
 *}* public String getContent*() {* return content;  
 *}* public void setContent*(*String content*) {* this.content = content;  
 *}* @Override  
 public String toString*() {* return "ShopInfo{" +  
 "icon=" + icon +  
 ", name='" + name + '\'' +  
 ", content='" + content + '\'' +  
 '}';  
 *}  
}*

*<?*xml version="1.0" encoding="utf-8"*?>  
<*LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="horizontal"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"*>  
  
 <*ImageView  
 android:layout\_width="100dp"  
 android:layout\_height="100dp"  
 android:id="@+id/iv\_item\_icon"  
 android:src="@drawable/apple"*/>  
  
 <*LinearLayout  
 android:layout\_marginLeft="15dp"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:gravity="center\_vertical"*>  
 <*TextView  
 android:text="TextView"  
 android:textSize="20sp"  
 android:textColor="#0011ff"  
 android:id="@+id/iv\_item\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"*/>  
  
 <*TextView  
 android:text="TextView"  
 android:textSize="18sp"  
 android:textColor="#ff0400"  
 android:id="@+id/iv\_item\_content"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"*/>  
 </*LinearLayout*>  
  
</*LinearLayout*>*

