스마트폰 프로그래밍 Assign #5

(제목 : Grid Adapter View)

학번 : 2016305078

성명: 최 영 환

제출일자 : 2021.10.06.

본인은 타인이나 다른 매체를 도용하지 않았음을 확인합니다 <본인사인>

<실행화면>





<MainActivity.java>

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Android 🔻
                                          package com.example.gridviewtest;
                                     public class MainActivity extends AppCompatActivity {

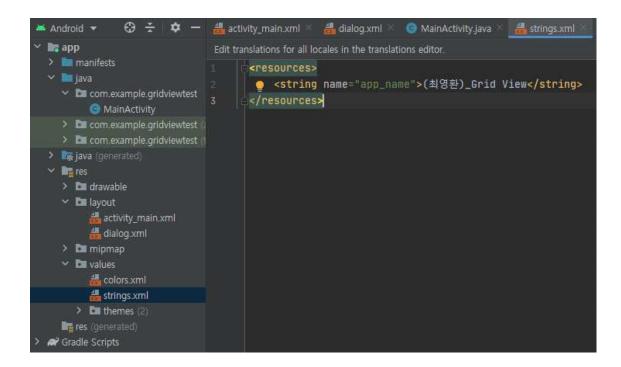
    MainActivity 14
    I com.example.gridviewtest (1 15

                                               Moverride
                                              public void onCreate(Bundle savedInstanceState) {
  ∨ lares
                                                  super.onCreate(savedInstanceState);
    > 🖿 drawable
                                                   setContentView(R.layout.activity_main);
    ✓ Image layout
### activity_main.xml
                                                  GridView gv = (GridView) findViewById(R.id.gridView);
        adialog.xml
                                                   MyGridAdapter gAdapter = new MyGridAdapter( c this);
                                                   gv.setAdapter(gAdapter);
    values
         acolors.xml
         strings.xml
                                              public class MyGridAdapter extends BaseAdapter {
       > I themes (2)
> A Gradle Scripts
                                                   public MyGridAdapter(Context c) { context = c; }
                                                   public int getCount() { return posterID.length; }
                                                   public Object getItem(int position) {
                                                   public long getItemId(int position) { return 0; }
                               45 養花
                                                   Integer[] posterID = { R.drawable.mov01, R.drawable.mov02,
                               46 禁煙器
                               47 23 🖟 🏋
                                                            R.drawable.mov06, R.drawable.mov07, R.drawable.mov08,
                               48 3 100
                               49 准整图
                                                            R.drawable.mov02, R.drawable.mov03, R.drawable.mov04,
                                 Marin 🗑
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                                                            R.drawable.mov08, R.drawable.mov09, R.drawable.mov10,
                                 製造型
                                                            R.drawable.mov04, R.drawable.mov05, R.drawable.mov06, R.drawable.mov07, R.drawable.mov08, R.drawable.mov09,
                                 M Kaw
                                  强强国
                                  1000
                                                            R.drawable.mov10 };
```

```
package com.example.gridviewtest;
import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Context;
import android.os.Bundle;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.GridView;
import android.widget.ImageView;
public class MainActivity extends AppCompatActivity {
    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        GridView gv = (GridView) findViewById(R.id.gridView);
        MyGridAdapter gAdapter = new MyGridAdapter(this);
        gv.setAdapter(gAdapter);
    public class MyGridAdapter extends BaseAdapter {
        Context context;
        public MyGridAdapter(Context c) {
            context = c;
```

```
}
public int getCount() {
    return posterID.length;
}
public Object getItem(int position) {
    return null;
}
public long getItemId(int position) {
    return 0;
Integer[] posterID = { R.drawable.mov01, R.drawable.mov02,
        R.drawable.mov03, R.drawable.mov04, R.drawable.mov05,
        R.drawable.mov06, R.drawable.mov07, R.drawable.mov08,
        R.drawable.mov09, R.drawable.mov10, R.drawable.mov01,
        R.drawable.mov02, R.drawable.mov03, R.drawable.mov04,
        R.drawable.mov05, R.drawable.mov06, R.drawable.mov07,
        R.drawable.mov08, R.drawable.mov09, R.drawable.mov10,
        R.drawable.mov01, R.drawable.mov02, R.drawable.mov03,
        R.drawable.mov04, R.drawable.mov05, R.drawable.mov06,
        R.drawable.mov07, R.drawable.mov08, R.drawable.mov09,
        R.drawable.mov10 };
public View getView(int position, View convertView, ViewGroup parent) {
    ImageView imageview = new ImageView(context);
    imageview.setLayoutParams(new GridView.LayoutParams(200, 300));
    imageview.setScaleType(ImageView.ScaleType.FIT_XY);
    imageview.setPadding(5, 5, 5, 5);
    imageview.setImageResource(posterID[position]);
    final int pos = position;
    imageview.setOnClickListener(new View.OnClickListener() {
        public void onClick(View v) {
            View dialogView = (View) View.inflate(
                     MainActivity.this, R.layout.dialog, null);
            AlertDialog.Builder dlg = new AlertDialog.Builder(
                     MainActivity.this);
            ImageView ivPoster = (ImageView) dialogView
                     .findViewById(R.id.poster);
            ivPoster.setImageResource(posterID[pos]);
            dlg.setTitle("학번: 2016305078");
            dlg.setIcon(R.drawable.android_icon);
            dlg.setView(dialogView);
            dlg.setNegativeButton("닫기", null);
```

<string.xml>



<resources>
<string name="app_name">(최영환)_Grid View</string>
</resources>

<activity_main.xml>

```
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                                 <?xml version="1.0" encoding="utf-8"?>
                                 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
                                     android:layout_width="match_parent"
                                     android:layout_height="match_parent"
                                     android:orientation="vertical
 res
  > 🖿 drawable
                                     <GridView
      dialog.xml
                                         android:layout_width="match_parent"
  > 🖿 mipmap
                                         android:layout_height="wrap_content"
                                         android:gravity="center
      # strings.xml
                                         android:numColumns="4">
    > b themes (2)
                                      </GridView>
</LinearLayout>
```

```
<?xml version="1.0"encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
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:orientation="vertical"
tools:context=".MainActivity">
    <GridView
android:id="@+id/gridView"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:gravity="center"
android:numColumns="4">
    </GridView >
</LinearLayout >
```

<dialog.xml>

```
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                                  <?xml version="1.0" encoding="utf-8"?>
                                  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
                                      android:orientation="vertical"
       MainActivity
                                      android:layout_width="match_parent"
                                      android:layout_height="match_parent"
 > Discom.example.gridviewtest ()
> Ris java (generated)
                                      android:gravity="center"
  ✓ In res
   > 🖿 drawable
                                      <ImageView
       activity_main.xml 10
dialog.xml 11
       adialog.xml
                                          android:layout_width="wrap_content"
                                          android:layout_height="wrap_content">
                                      </ImageView>
       # strings.xml
                                  </LinearLayout>
      > t themes (2)
 Gradle Scripts
```