스마트폰 프로그래밍 Assign #05

(영화데이터베이스 만들기)

학번 : 2018305068

성명:정동기

제출일자 : 2022.11.27

본인은 타인이나 다른 매체를 도용하지 않았음을 확인합니다 <정동기>

<실행화면>

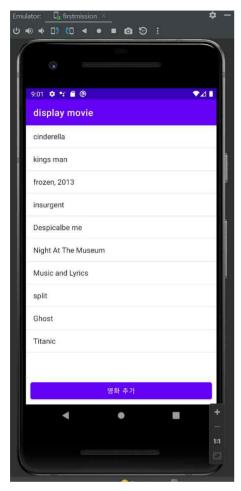


그림 1 display movie

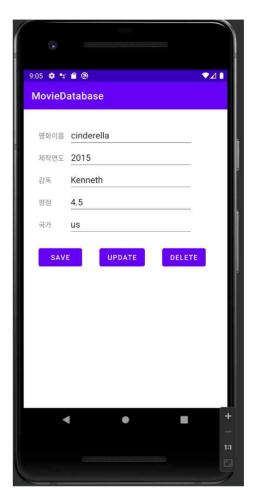


그림 2 MovieDatabase

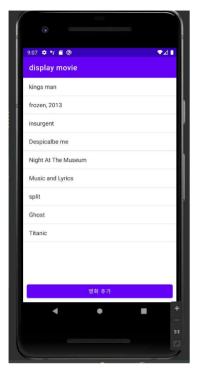


그림 3 신데렐라 DELETE

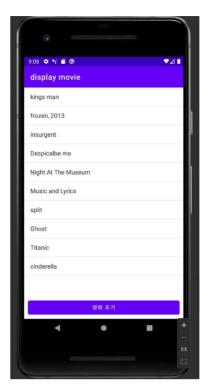


그림 4 신데렐라 SAVE

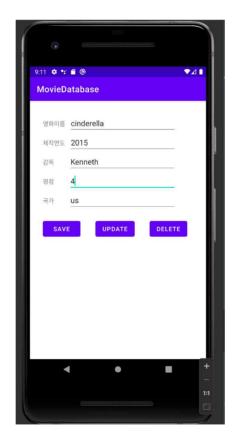


그림 5 신데렐라 UPDATE

<MainActivity.java>

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    📭 арр
                                            package kr.ac.skuniv.ce;
    ✓ Imanifests 2

AndroidManifes 3
                                          import androidx.appcompat.app.AppCompatActivity:
        yava

✓ Mariac.skuniv.ce
                                           import android content Intent:
                                            import android.database.Cursor;
               a layout
               © MainActivity 7
                                            import android.database.sqlite.SQLiteDatabase;
       > kr.ac.skuniv.ce (a 8 ) kr.ac.skuniv.ce (t 9
                                            import android.os.Bundle:
                                            import android.view.View;
                                            import android.widget.AdapterView;
                                            import android.widget.ListView;
        > drawable
                                           import android.widget.SimpleCursorAdapter;
       | Class MainActivity extends AppCompatActivity {
| DBHelper helper;
| Class MainActivity extends AppCompatActivity {
| DBHelper helper;
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        > 🛅 values
                                17 👏
                                                 public void onCreate(Bundle savedInstanceState){
        > 🛅 xml
                                                        super.onCreate(savedInstanceState):
                                                         setContentView(R.layout.activity_main);
    Gradle Scripts
                                                        helper = new DBHelper( con
                                                                                                    ext this);
                                                          db = helper.getWritableDatabase();
                                                         Cursor cursor = db.rawQuerv( sql: "SELECT * FROM contacts", selectionArgs: null):
                                                          startManagingCursor(cursor);
                                                         String[] from = {"name"};
int[] to = {android.R.id.text1};
                                                          SimpleCursorAdapter adapter = new SimpleCursorAdapter( context this, android.R.layout.simple_list_item_1, cursor, from, to);
                                 28
29
                                                          ListView list = (ListView) findViewBvId(R.id.list):
                                                         list.setAdapter(adapter);
                                30
                                                                                               이름을 받아와서 다음 액티비티로 값을 옮겨죽
                                                         list.setOnItemClickListener(new AdapterView.OnItemClickListener() {
                                33 00
                                                                public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {
                                                                     int selected_movie = i + 1;
                                                                     int select = 1;
                                                                     Intent intent = new Intent( packageContext MainActivity.this. layout.class);
                                                                     intent intent = new intent( packagecomman nainectivity.
intent.putExtra( name: "movie_index", selected_movie);
intent.putExtra( name: "select", select);
    Gradle Scripts
                                                                     startActivity(intent);
                                                        });
                                                public void onClick(View view){
                                                         Intent intent = new Intent( packageContext: MainActivity.this,layout.class);
                                                         int select = 0:
                                                         intent.putExtra( name: "select", select);
                                48
49
                                                         startActivity(intent);
package kr.ac.skuniv.ce;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.os.Bundle;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ListView;
import android.widget.SimpleCursorAdapter;
public class MainActivity extends AppCompatActivity {
DBHelper helper;
SQLiteDatabase db;
public void onCreate(Bundle savedInstanceState){
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
helper = new DBHelper(this);
```

db = helper.getWritableDatabase();

Cursor cursor = db.rawQuery("SELECT * FROM contacts",null);

```
startManagingCursor(cursor);
String[] from = {"name"};
int[] to = {android.R.id.text1};
SimpleCursorAdapter adapter = new SimpleCursorAdapter(this, android.R.layout.simple_list_item_1, cursor, from, to);
ListView list = (ListView) findViewById(R.id.list);
list.setAdapter(adapter);
//여기서 리스트 위치에 있는 이름을 받아와서 다음 액티비티로 값을 옮겨줌
list.setOnItemClickListener(new AdapterView.OnItemClickListener() {
@Override
public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {
int selected_movie = i + 1;
int select = 1;
Intent intent = new Intent(MainActivity.this, layout.class);
intent.putExtra("movie_index", selected_movie); intent.putExtra("select", select);
startActivity(intent);
});
public void onClick(View view){
Intent intent = new Intent(MainActivity.this,layout.class);
int select = 0;
intent.putExtra("select",select);
startActivity(intent);
```

<layout.java>

```
🏭 activity_main.xml × 👼 movie.xml × 🏮 MainActivity.java × 🕒 📵 layout.java ×
             package kr.ac.skuniv.ce;
            import android content Intent:
              import android.database.Cursor;
             import android.database.sqlite.SQLiteDatabase;
             import android.database.sqlite.SQLiteException;
import android.os.Bundle;
import android.view.View;
             import android.widget.EditText;
import android.widget.Toast;
             import androidx.appcompat.app.AppCompatActivity;
 14 4 public class layout extends AppCompatActivity {
                    DBHelper belper:
                     EditText edit_name, edit_year,edit_direct,edit_rate, edit_country;
                     public int movie_index;
 21 📑
                     protected void onCreate(Bundle savedInstanceState) {
                            super.onCreate(savedInstanceState);
                           setContentView(R.layout.movie);
                           helper = new DBHelper( context this);
                                   db = helper.getWritableDatabase();
                          } catch (SQLiteException ex) {
    db = helper.getReadableDatabase();
                           edit_name = (EditText) findViewById(R.id.name);
edit_year = (EditText) findViewById(R.id.year);
edit_direct = (EditText) findViewById(R.id.direct);
                           edit_rate = (EditText) findViewById(R.id.rate);
edit_country = (EditText) findViewById(R.id.country);
//리스트에 있는 집 받아서 출력해주기
                           select = getIntent().getIntExtra( name: "select", defaultValue: 0);
if (select == 0){
    edit_name.setText("");
edit vear.setText(""):
                                   edit_direct.setText("");
edit_rate.setText("");
                                   edit_country.setText("");
                           Toast.makeText(getApplicationContext(), text "비른 놀러서 들어움",Toast.LENGTH_SHORT).show(); //데스트
}else if(select == 1){
                                   movie_index = qetIntent().qetIntExtra( name: "movie_index", defaultValue: 0);
                                   Toast.makeText(getApplicationContext(), text "리스트로 들어옴",Toast.LENGTH_SHORT).show(); // 테스트
                                   Cursor cursor;
                                   cursor = db.rawQuery( sqk: "SELECT * FROM contacts WHERE _id=" + movie_index +";", selectionArgs: null);
                                  cursor.moveToFirst();
String name = cursor.getString( ½ 1);
String year = cursor.getString( ½ 2);
String direct = cursor.getString( ½ 3);
String rate = cursor.getString( ½ 4);
                                  String country = cursor.getString( = 5);
edit_name.setText(name);
                                   edit_year.setText(year);
                                   edit_direct.setText(direct);
edit_rate.setText(rate);
                                   edit_country.setText(country);
                                   select = 0;
                    public void insert(View target){
                          pllc void insert(view target){
string name = edit_name.getText().toString();
String year1 = edit_year.getText().toString();
String direct1 = edit_direct.getText().toString();
String rate1 = edit_rate.getText().toString();
String country1 = edit_country.getText().toString();
db.execSQL("INSERT INTO contacts VALUES (null, '" + n
                                                                                                                  + name1 + "', '" + year1 + "', '" + direct1 +"', '" + rate1 + "', '" + country1 + "');");
                           Intent intent = new Intent( packageContext: layout.this, MainActivity.class);
                           startActivity(intent);
                    public void update(View target){
    String name1 = edit_name.getText().toString();
    String year1 = edit_name.getText().toString();
    String oract1 = edit_name.getText().toString();
    String contect1 = edit_nate.getText().toString();
    String contect1 = edit_nate.getText().toString();
    String contexty = edit_nate.getText().toString();
    do.execSQ("UPDATE contacts SET year="" + year1 = "", direct="" + direct1 + "", rate="" + rate1 + "", country="" + country1 + "" WHERE name="" + name1 + "";");
    Intent intent = new Intent( packageContect layout.this,MainActivity.class);
    startActivity(intent);
                     public void delete(View target) {
   Intent intent = new Intent( packageContent layout.this,MainActivity
   String name1 = edit.name.getText().toString();
   de.execs(VieWLETE FROM contacts WHERE name="" + name1 + "";");
   startActivity(intent);
                                                                                   ext layout.this, MainActivity.class);
```

package kr.ac.skuniv.ce;

import android.content.Intent;

```
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteException;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
public class layout extends AppCompatActivity {
DBHelper helper;
SQLiteDatabase db;
EditText edit_name, edit_year,edit_direct,edit_rate, edit_country;
public int movie index;
public int select;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.movie);
helper = new DBHelper(this);
try {
db = helper.getWritableDatabase();
} catch (SQLiteException ex) {
db = helper.getReadableDatabase();
edit_name = (EditText) findViewById(R.id.name);
edit_year = (EditText) findViewById(R.id.year);
edit_direct = (EditText) findViewById(R.id.direct);
edit_rate = (EditText) findViewById(R.id.rate);
edit_country = (EditText) findViewById(R.id.country);
//리스트에 있는 값 받아서 출력해주기
select = getIntent().getIntExtra("select",0);
if (select == 0){
edit_name.setText("");
edit_year.setText("");
edit_direct.setText("");
edit_rate.setText("");
edit_country.setText("");
Toast.makeText(getApplicationContext(),"버튼 눌러서
들어옴",Toast.LENGTH_SHORT).show(); //테스트
}else if(select == 1){
movie index = getIntent().getIntExtra("movie_index",0);
Toast.makeText(getApplicationContext(),"리스트로
들어옴",Toast.LENGTH_SHORT).show(); // 테스트
Cursor cursor;
cursor = db.rawQuery("SELECT * FROM contacts WHERE _id=" + movie_index
+";",null);
cursor.moveToFirst();
String name = cursor.getString(1);
String year = cursor.getString(2);
String direct = cursor.getString(3);
String rate = cursor.getString(4);
String country = cursor.getString(5);
edit_name.setText(name);
edit_year.setText(year);
edit direct.setText(direct);
edit_rate.setText(rate);
edit_country.setText(country);
select = 0;
public void insert(View target){
String name1 = edit_name.getText().toString();
```

```
String year1 = edit_year.getText().toString();
String direct1 = edit_direct.getText().toString();
String rate1 = edit_rate.getText().toString();
String country1 = edit_country.getText().toString();
db.execSQL("INSERT INTO contacts VALUES (null, '" + name1 + "', '" + year1 + "',
|" + direct1 + "', '" + rate1 + "', '" + country1 + "');
Intent intent = new Intent(layout.this,MainActivity.class);
startActivity(intent);
public void update(View target){
String name1 = edit_name.getText().toString();
String year1 = edit_year.getText().toString();
String direct1 = edit_direct.getText().toString();
String rate1 = edit_rate.getText().toString();
String country1 = edit_country.getText().toString();
db.execSQL("UPDATE contacts SET year=!" + year1 + "!, direct=!" + direct1 + "!, rate=!" + rate1 + "!, country=!" + country1 + "! WHERE name=!" + name1 + "!;"); Intent intent = new Intent(layout.this, MainActivity.class);
startActivity(intent);
public void delete(View target) {
Intent intent = new Intent(layout.this,MainActivity.class);
String name1 = edit_name.getText().toString();
db.execSQL("DELETE FROM contacts WHERE name='" + name1 + "';");
startActivity(intent);
```

<DBHelper.java>

```
import android.content.Context:
        import android.database.sqlite.SQLiteDatabase;
        import android.database.sqlite.SQLiteOpenHelper;
        public class DBHelper extends SQLiteOpenHelper {
           public static final String DATABASE_NAME = "first.db";
public static final int DATABASE_VERSION = 2;
           public DBHelper(Context context) { super(context, DATABASE_NAME, factory: null, DATABASE_VERSION); }
16 1 @
           public void onCreate(SOLiteDatabase db){
              db.execsQl("CREATE TABLE contacts (_id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, year TEXT, direct TEXT, rate TEXT, country TEXT);");
18
19
20
21 🐠 @
           public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion){
              db.execSQL("DROP TABLE IF EXISTS contacts");
               onCreate(db);
package kr.ac.skuniv.ce;
import android.content.Context;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;
public class DBHelper extends SQLiteOpenHelper { public static final String DATABASE\_NAME = "first.db"; public static final int <math>DATABASE\_VERSION = 2;
public DBHelper(Context context){
super(context, DATABASE_NAME, null, DATABASE_VERSION);
@Override
public void onCreate(SQLiteDatabase db){
db.execSQL("CREATE TABLE contacts (_id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, year TEXT, direct TEXT, rate TEXT, country
TEXT);");
@Override
public void on Upgrade (SQLiteDatabase db, int oldVersion, int newVersion) {
db.execSQL("DROP TABLE IF EXISTS contacts");
onCreate(db);
```

<string.xml>

<activity_main.xml>

```
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v 📭 app

✓ ■ manifests

                            <?xml version="1.0" encoding="utf-8"?>
      AndroidManifes 2
                           <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>

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                              android:layout_width="match_parent"

✓ I kr.ac.skuniv.ce

                               android:layout_height="match_parent"
        © DBHelper
                               android:orientation="vertical">
        lavout
                              <ListView
        MainActivity 6
 > kr.ac.skuniv.ce (ĕ 7
                                  android:id="@+id/list"
   > kr.ac.skuniv.ce (t 8
                                  android:layout_width="match_parent"
 > 🗽 java (generated) 9
                                 android:layout_height="550dp" />
 ∨ 📭 res
                               android:id="@+id/btn"
   > 🛅 drawable
    layout
                                  android:layout_marginLeft="10dp"
        activity_main
                                 android:layout_marginRight="10dp"
        movie.xml 13
                                 android:layout_width="match_parent"
    > 🛅 mipmap
                   15
                                  android:layout_height="wrap_content"
    ∨ 🛅 values
                                  android:onClick="onClick"
        acolors.xml 16
        strings.xml 17
                                   android:text="영화 추가" />
                         </LinearLayout>
      > 1 themes (2) 18
```

```
<?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">
<ListView
android:id="@+id/list"
android:layout_width="match_parent"
android:layout_height="550dp" />
<Button
android:id="@+id/btn"
android:layout_marginLeft="10dp"
android:layout_marginRight="10dp"
android:layout_width="match_parent" android:layout_height="wrap_content"
android:onClick="onClick"
android:text="영화 추가" />
</LinearLayout>
```

<movie.xml>

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∨ 🐚 app
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                 AndroidManifes
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         iava java
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                                                                                  android:layout_height="match_parent"
                      © DBHelper
                                                                                  android:layout_margin="30dp"
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                       MainActivity
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  > 🖿 kr.ac.skuniv.ce (a
                                                                                  <LinearLayout
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                                                                                            android:layout_width="wrap_content"
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                                                                                            <TextView

✓ Image layout

                      activity_main 13
                                                                                                      android:layout_width="wrap_content"
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                      amovie.xml
                                                                                                       android:text="영화이름"/>
           > 🛅 mipmap
                                                                                             <EditText android:id="@+id/name"

∨ I values

                      a colors xml
                                                                                                       android:layout_marginLeft="10dp"
                      strings.xml 17
                                                                                                       android:layout width="250dp"
                > Im themes (2) 18
                                                                                                      android:layout_height="wrap_content"/>
           > 🛅 xml
                                                                                  </LinearLayout>
           res (generated)
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                                                                                                       android:lavout width="wrap content"
                                                                                                       android:layout_height="wrap_content"
                                                                                                       android:text="제작연도"/>
                                                                                             <EditText android:id="@+id/year'
                                                                                                       android:layout_marginLeft="10dp"
                                                                                                       android: layout_width="250dp"
                                                                                                       android:layout_height="wrap_content"/>
                                                                                  </LinearLayout>
                                                                                  <LinearLayout
                                                                                            android:layout_width="wrap_content"
                                                                                             android:layout_height="wrap_content"
                  AndroidManifes 35
                                                                                             android:orientation="horizontal">
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                                                                                              <TevtView

∨ Imac skuniv ce

                        © DBHelper 38
                                                                                                        android:layout_width="wrap_content"
                                                                                                        android:layout_height="wrap_content"
                        C lavout
                                                                                                         android:text="감독"/>
                        MainActivity 40
           > kr.ac.skuniv.ce (8 41
                                                                                              <EditText android:id="@+id/direct"
           > kr.ac.skuniv.ce (t 42
                                                                                                        android:layout_marginLeft="35dp"
      > kg java (generated) 43
                                                                                                        android:layout_width="250dp"
       ∨ Ires
                                                                                                        android:layout_height="wrap_content"/>
            > 🖿 drawable

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                       activity_main 46
                                                                                    <LinearLayout
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                       amovie.xml
                                                     48
                                                                                             android:layout height="wrap content"
            > 🖿 mipmap

✓ □ values

                                                                                              android:orientation="horizontal">
                        🍶 colors.xml
                                                                                              <TextView
                       strings.xml 51
                                                                                                       android:layout_width="wrap_content"
                 > themes (2) 52
                                                                                                        android:layout_height="wrap_content"
            > 🛅 xml
                                                                                                        android:text="평점"/>
           res (generated)
                                                                                              <EditText android:id="@+id/rate"
 > @ Gradle Scripts
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                                                                                                        android:layout_marginLeft="35dp"
                                                                                                        android:layout width="250dp"
                                                                                                        android:layout_height="wrap_content"/>
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                                                                                    </LinearLayout>
                                                     59
                                                                                    <LinearLayout
                                                                                             android:layout width="wrap content"
                                                                                              android:layout_height="wrap_content"
                                                     62
                                                                                              android:orientation="horizontal">
                                                                                                       android:layout width="wrap content"
                                                                                                        android:layout_height="wrap_content"
                                                     66
                                                                                                         android:text="국가"/>
                                                                                               <EditText android:id="@+id/country"
                                                                                                        android:layout_marginLeft="35dp"
```

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android:layout_width="250dp"
                          c layout
                          MainActivity 70
                                                                                                                   android:layout height="wrap content"/>
       > 🖿 kr.ac.skuniv.ce († 71

inearlayout>
           > kr.ac.skuniv.ce (t 72
                                                                                              <LinearLayout
      > kg java (generated) 73
                                                                                                          android:layout_width="wrap_content"
       ∨ 📑 res
                                                                                                       android:layout_height="wrap_content"
            > 🛅 drawable
                                                                                                          android:layout marginTop="20dp"

✓ Image: Value of the Valu
                        activity_main
movie.xml
mipmap
76
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                                                                                                          android:orientation="horizontal">
                                                                                                           <Button android:id="@+id/save"
                                                                                                                      android:layout width="wrap content"
            > 🛅 mipmap
                                                                                                                      android:layout_height="wrap_content"

∨ Image values

                          colors.xml 80
                                                                                                                      android:onClick="insert"
                         strings.xml 81
                                                                                                                      android:text="SAVE"/>
                  > themes (2) 82
                                                                                                          <Button android:id="@+id/update"
            > Di yml
                                                         83
                                                                                                                      android:layout_marginLeft="35dp"
            res (generated)
                                                         84
                                                                                                                       android:layout_marginRight="35dp"
> @ Gradle Scripts
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                                                                                                                     android:layout_width="wrap_content"
                                                                                                                     android:layout height="wran content"
                                                           86
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                                                                                                                      android:onClick="undate"
                                                                                                                      android:text="UPDATE"/>
                                                           88
                                                           89
                                                                                                           <Button android:id="@+id/delete"
                                                           90
                                                                                                                      android:layout_width="wrap_content"
                                                                                                                      android:layout_height="wrap_content"
                                                           92
                                                                                                                      android:onClick="delete"
                                                           93
                                                                                                                      android:text="DELETE"/>
                                                                                               </LinearLayout>
```

```
</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:layout_margin="30dp'
android:orientation="vertical">
<LinearLayout
android:layout_width="wrap_content"
android:layout height="wrap content"
android:orientation="horizontal">
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="영화이름"/>
<EditText android:id="@+id/name"
android:layout_marginLeft="10dp"
android:layout_width="250dp"
android:layout height="wrap content"/>
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal">
<TextView
android:layout_width="wrap_content" android:layout_height="wrap_content" android:text="제작연도"/>
<EditText android:id="@+id/year"
android:layout_marginLeft="10dp'
android:layout_width="250dp"
android:layout_height="wrap_content"/>
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:orientation="horizontal">
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content" android:text="감독"/>
```

```
<EditText android:id="@+id/direct"
android:layout_marginLeft="35dp"
android:layout_width="250dp"
android:layout_height="wrap_content"/>
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal">
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content" android:text="평점"/>
<EditText android:id="@+id/rate"
android:layout_marginLeft="35dp"
android:layout_width="250dp"
android:layout_height="wrap_content"/>
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:orientation="horizontal">
<TextView
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="국가"/>
<EditText android:id="@+id/country"
android:layout_marginLeft="35dp"
android:layout_width="250dp"
android:layout_height="wrap_content"/>
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="20dp"
android:orientation="horizontal">
<Button android:id="@+id/save"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:onClick="insert"
android:text="SAVE"/>
<Button android:id="@+id/update"
android:layout_marginLeft="35dp"
android:layout_marginRight="35dp"
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:onClick="update" android:text="UPDATE"/>
<Button android:id="@+id/delete"
android:layout_width="wrap_content" android:layout_height="wrap_content"
android:onClick="delete"
android:text="DELETE"/>
</LinearLayout>
</LinearLayout>
```