

스마트폰 프로그래밍

Assign #05

(영화데이터베이스 만들기)

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성명 : 정 동 기

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본인은 타인이나 다른 매체를 도용하지 않았음을 확인합니다 <정동기>

<실행화면>

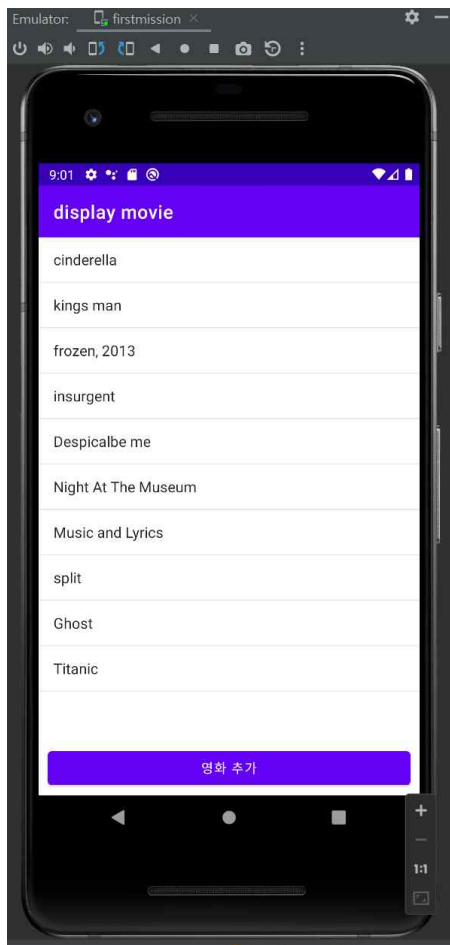


그림 1 display movie

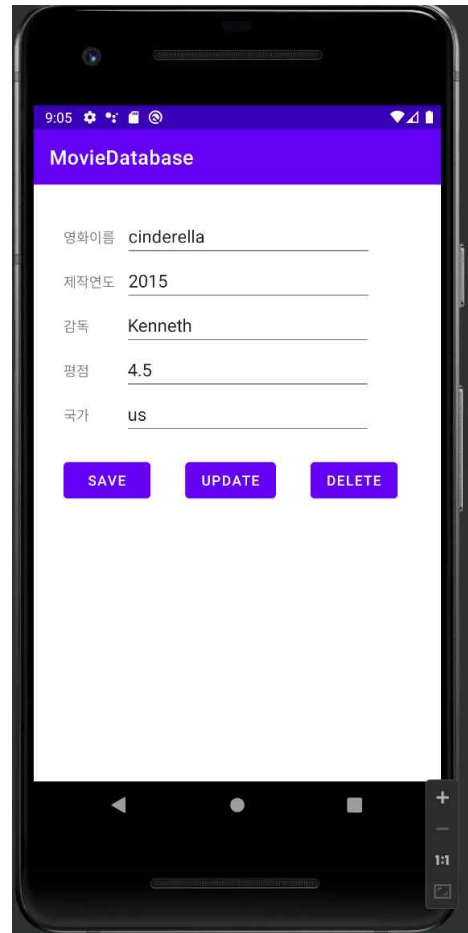


그림 2 MovieDatabase

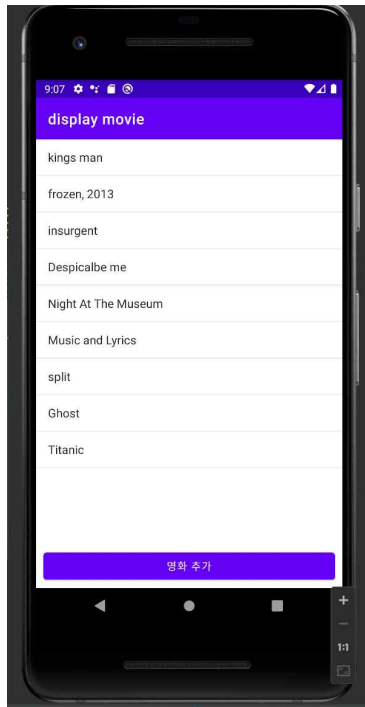


그림 3 신데렐라 DELETE

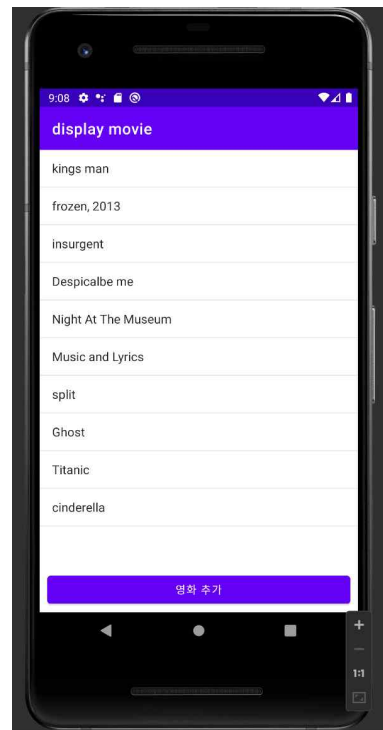


그림 4 신데렐라 SAVE

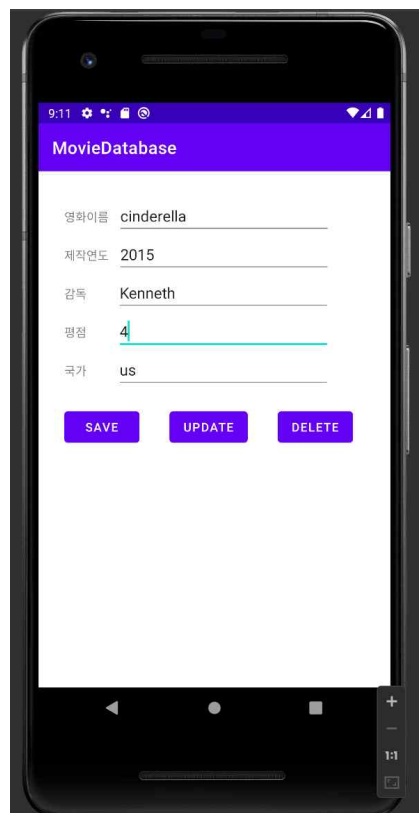
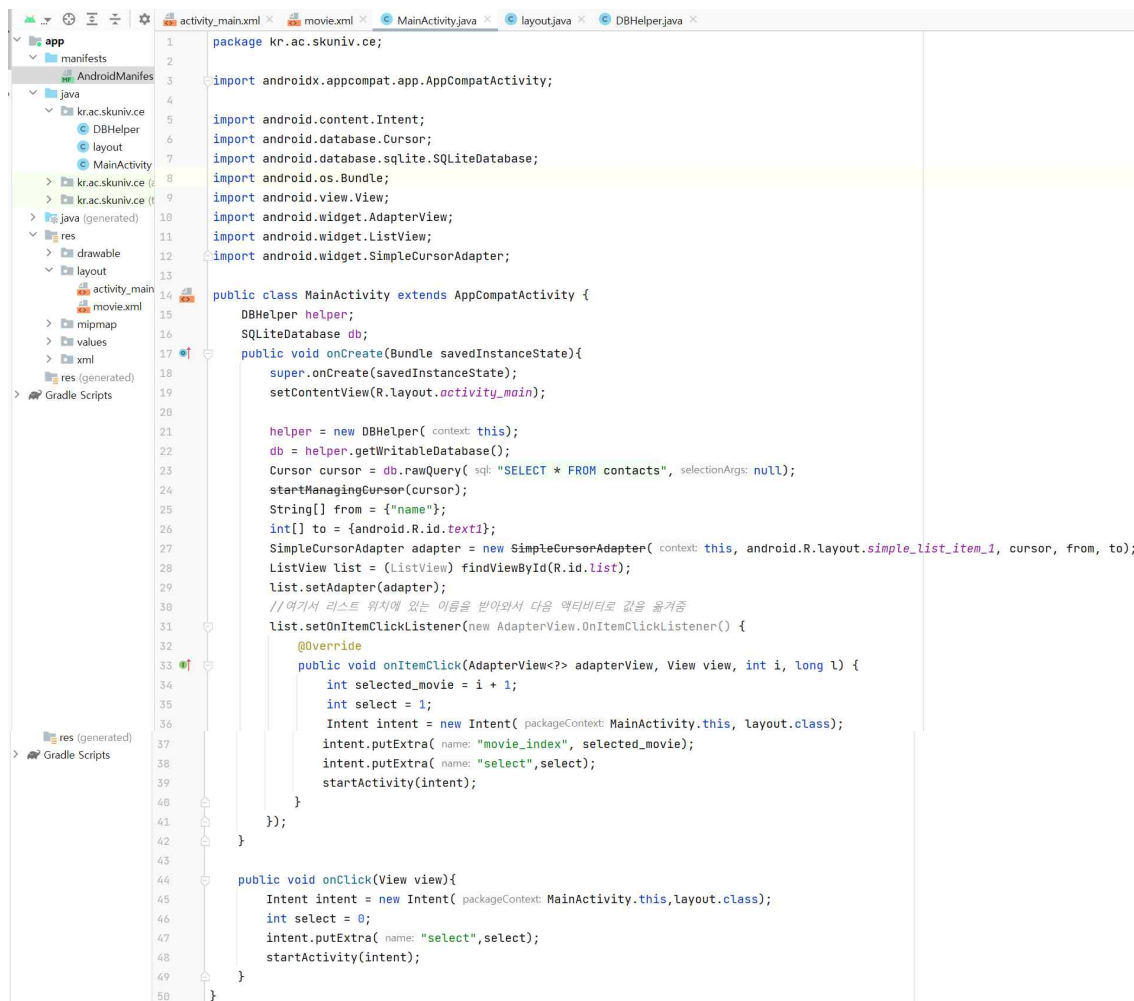


그림 5 신데렐라 UPDATE

<MainActivity.java>



```
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.AdapterView.OnItemClickListener;
```

```
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>

```
1 package kr.ac.skuniv.ce;
2
3 import android.content.Intent;
4 import android.database.Cursor;
5 import android.database.sqlite.SQLiteDatabase;
6 import android.database.sqlite.SQLiteException;
7 import android.os.Bundle;
8 import android.view.View;
9 import android.widget.EditText;
10 import android.widget.Toast;
11
12 import androidx.appcompat.app.AppCompatActivity;
13
14 public class layout extends AppCompatActivity {
15     DBHelper helper;
16     SQLiteDatabase db;
17     EditText edit_name, edit_year, edit_direct, edit_rate, edit_country;
18     public int movie_index;
19     public int select;
20
21     @Override
22     protected void onCreate(Bundle savedInstanceState) {
23         super.onCreate(savedInstanceState);
24         setContentView(R.layout.movie);
25         helper = new DBHelper(this);
26         try {
27             db = helper.getWritableDatabase();
28         } catch (SQLiteException ex) {
29             db = helper.getReadableDatabase();
30         }
31         edit_name = (EditText) findViewById(R.id.name);
32         edit_year = (EditText) findViewById(R.id.year);
33         edit_direct = (EditText) findViewById(R.id.direct);
34         edit_rate = (EditText) findViewById(R.id.rate);
35         edit_country = (EditText) findViewById(R.id.country);
36         //리스트에 있는 값 받아서 출력해주기
37         select = getIntent().getIntExtra("name: "select", defaultValue: 0);
38         if (select == 0) {
39             edit_name.setText("");
40             edit_year.setText("");
41             edit_direct.setText("");
42             edit_rate.setText("");
43             edit_country.setText("");
44             Toast.makeText(getApplicationContext(), "바튼 눌러서 들어옴", Toast.LENGTH_SHORT).show(); // 테스트
45         } else if (select == 1) {
46             movie_index = getIntent().getIntExtra("name: "movie_index", defaultValue: 0);
47             Toast.makeText(getApplicationContext(), "리스트로 들어옴", Toast.LENGTH_SHORT).show(); // 테스트
48             Cursor cursor;
49             cursor = db.rawQuery("SELECT * FROM contacts WHERE _id=" + movie_index + ";", selectionArgs: null);
50             cursor.moveToFirst();
51             String name = cursor.getString(0);
52             String year = cursor.getString(1);
53             String direct = cursor.getString(2);
54             String rate = cursor.getString(3);
55             String country = cursor.getString(4);
56             edit_name.setText(name);
57             edit_year.setText(year);
58             edit_direct.setText(direct);
59             edit_rate.setText(rate);
60             edit_country.setText(country);
61             select = 0;
62         }
63     }
64
65     public void insert(View target) {
66         String name1 = edit_name.getText().toString();
67         String year1 = edit_year.getText().toString();
68         String direct1 = edit_direct.getText().toString();
69         String rate1 = edit_rate.getText().toString();
70         String country1 = edit_country.getText().toString();
71         db.execSQL("INSERT INTO contacts VALUES (null, '" + name1 + "', '" + year1 + "', '" + direct1 + "', '" + rate1 + "', '" + country1 + "')");
72         Intent intent = new Intent(packageContext: layout.this, MainActivity.class);
73         startActivity(intent);
74     }
75
76     public void update(View target) {
77         String name1 = edit_name.getText().toString();
78         String year1 = edit_year.getText().toString();
79         String direct1 = edit_direct.getText().toString();
80         String rate1 = edit_rate.getText().toString();
81         String country1 = edit_country.getText().toString();
82         db.execSQL("UPDATE contacts SET year=" + year1 + ", direct=" + direct1 + ", rate=" + rate1 + ", country=" + country1 + " WHERE name=" + name1 + ";");
83         Intent intent = new Intent(packageContext: layout.this, MainActivity.class);
84         startActivity(intent);
85     }
86
87     public void delete(View target) {
88         Intent intent = new Intent(packageContext: layout.this, MainActivity.class);
89         String name1 = edit_name.getText().toString();
90         db.execSQL("DELETE FROM contacts WHERE name=" + name1 + ";");
91         startActivity(intent);
92     }
93 }
```

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 출력해 주기
        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>

```
1 package kr.ac.skuniv.ce;
2
3 import android.content.Context;
4 import android.database.sqlite.SQLiteDatabase;
5 import android.database.sqlite.SQLiteOpenHelper;
6
7 public class DBHelper extends SQLiteOpenHelper {
8     public static final String DATABASE_NAME = "first.db";
9     public static final int DATABASE_VERSION = 2;
10
11     public DBHelper(Context context) { super(context, DATABASE_NAME, factory: null, DATABASE_VERSION); }
12
13
14     @Override
15     public void onCreate(SQLiteDatabase db){
16         db.execSQL("CREATE TABLE contacts (_id INTEGER PRIMARY KEY AUTOINCREMENT, name TEXT, year TEXT, direct TEXT, rate TEXT, country TEXT);");
17     }
18
19     @Override
20     public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion){
21         db.execSQL("DROP TABLE IF EXISTS contacts");
22         onCreate(db);
23     }
24 }
25
```

```
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 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);");
    }
```

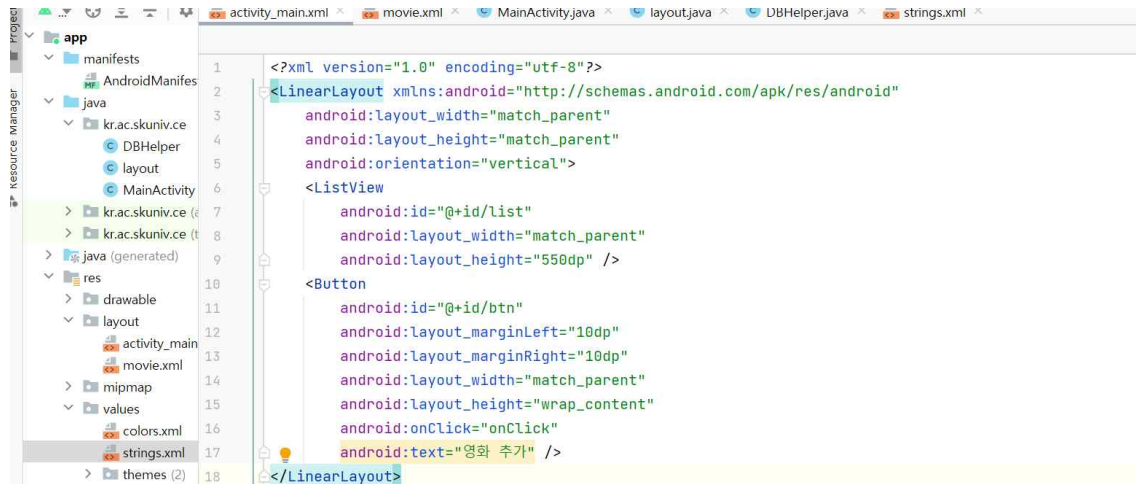
```
    @Override
    public void onUpgrade(SQLiteDatabase db, int oldVersion, int newVersion){
        db.execSQL("DROP TABLE IF EXISTS contacts");
        onCreate(db);
    }
}
```

<string.xml>



```
<resources>  
<string name="app_name">dbtest</string>  
</resources>
```

<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/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>



```
<?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: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>
```



```
<?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: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/director"
                    android:layout_marginLeft="10dp"
                    android:layout_width="250dp"
                    android:layout_height="wrap_content"/>
                </LinearLayout>
            </LinearLayout>
            <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>
```

```

<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>

```