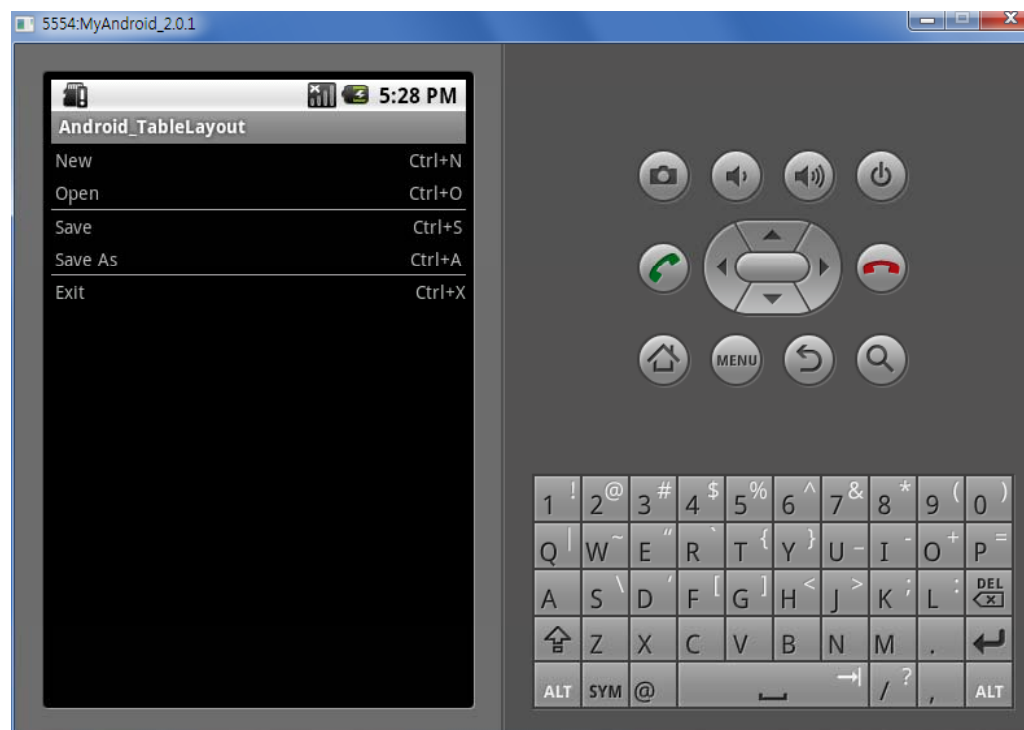




Android Layout 구현





학습 목표

교육 목표

- ❖ Relative Layout 구현
- ❖ Table Layout 구현
- ❖ Tab Layout 구현



Navigation voice



Traffic view



Street View

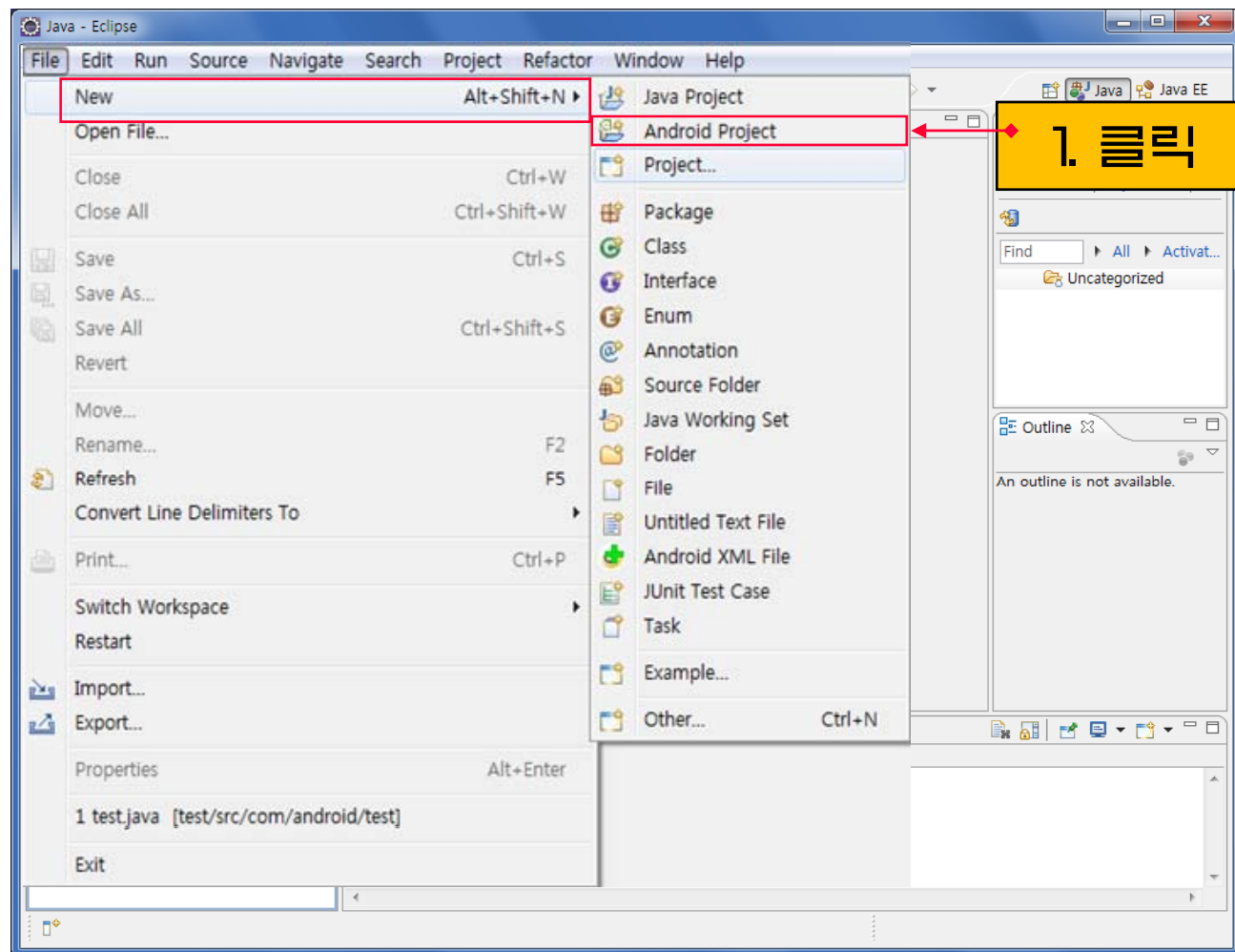




Relative Layout 구현 (1)

■ Android 프로젝트 생성

❖ 프로젝트 명 : Android_RelativeLayout





Relative Layout 구현 (2)

New Android Project

Creates a new Android Project resource.

Project name:

Contents

☒ Create new project in workspace
☐ Create project from existing source
☒ Use default location

Location:

☐ Create project from existing sample

Samples:

Build Target

Target Name	Vendor	Platform	API ...
<input type="checkbox"/> Android 1.1	Android Open Source Project	1.1	2
<input type="checkbox"/> Android 1.5	Android Open Source Project	1.5	3
<input type="checkbox"/> Android 1.6	Android Open Source Project	1.6	4
<input type="checkbox"/> Android 2.0	Android Open Source Project	2.0	5
<input checked="" type="checkbox"/> Android 2.0.1	Android Open Source Project	2.0.1	6
<input type="checkbox"/> Google APIs	Google Inc.	1.5	3
<input type="checkbox"/> Google APIs	Google Inc.	1.6	4

Standard Android platform 2.0.1

Properties

Application name:

Package name:

☒ Create Activity:

Min SDK Version:

2. Android_RelativeLayout 입력

3. 클릭

4. Android_RelativeLayout 입력

5. com.inhatc.Android_RelativeLayout 입력

6. Android_RelativeLayout 입력

7. 클릭





Relative Layout 구현 (3)

■ UI 설계

❖ RelativeLayout 01

◆ TextView01

◆ TextView02

◆ EditText01

◆ EditText02

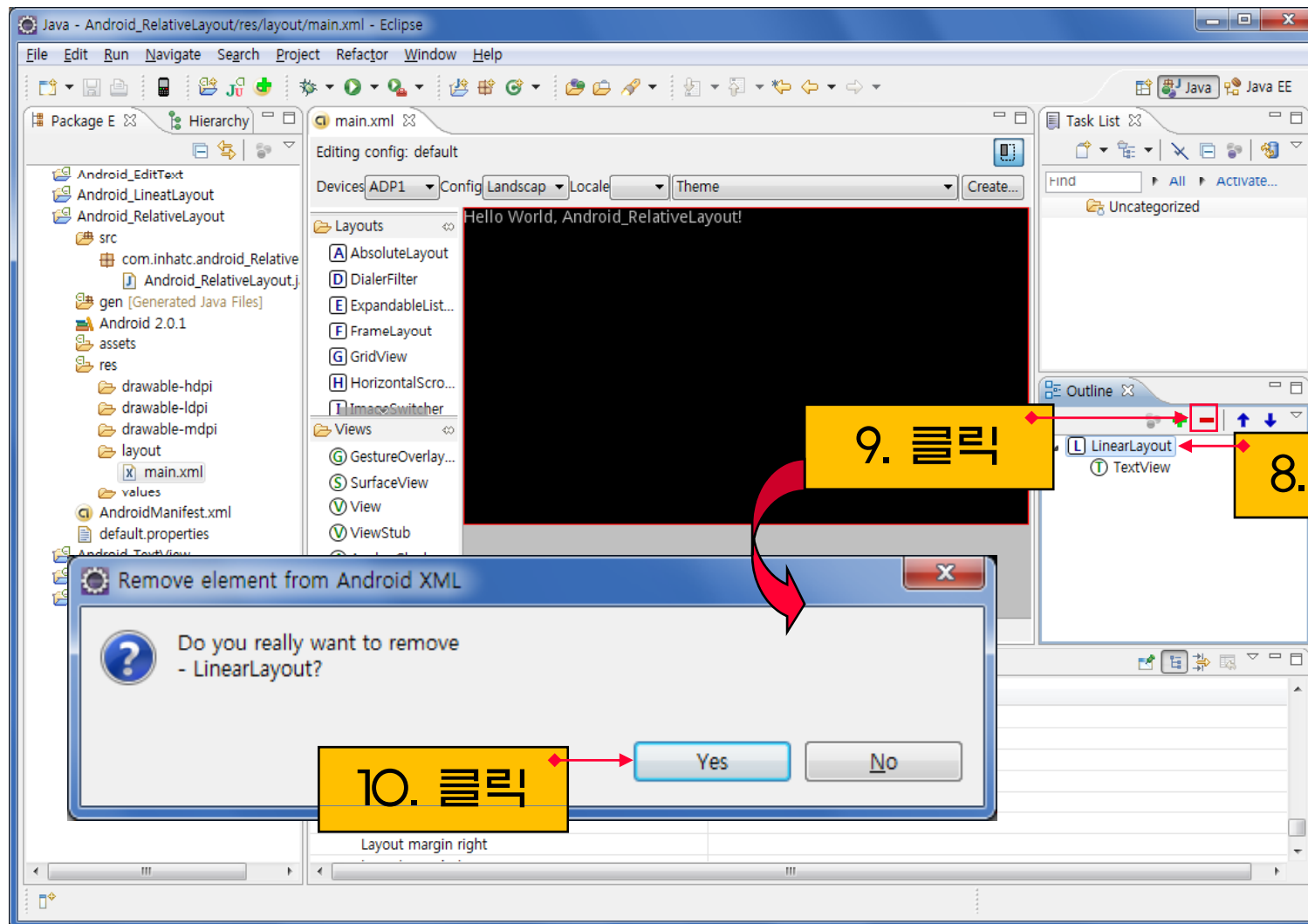
◆ Button01





Relative Layout 구현 (4)

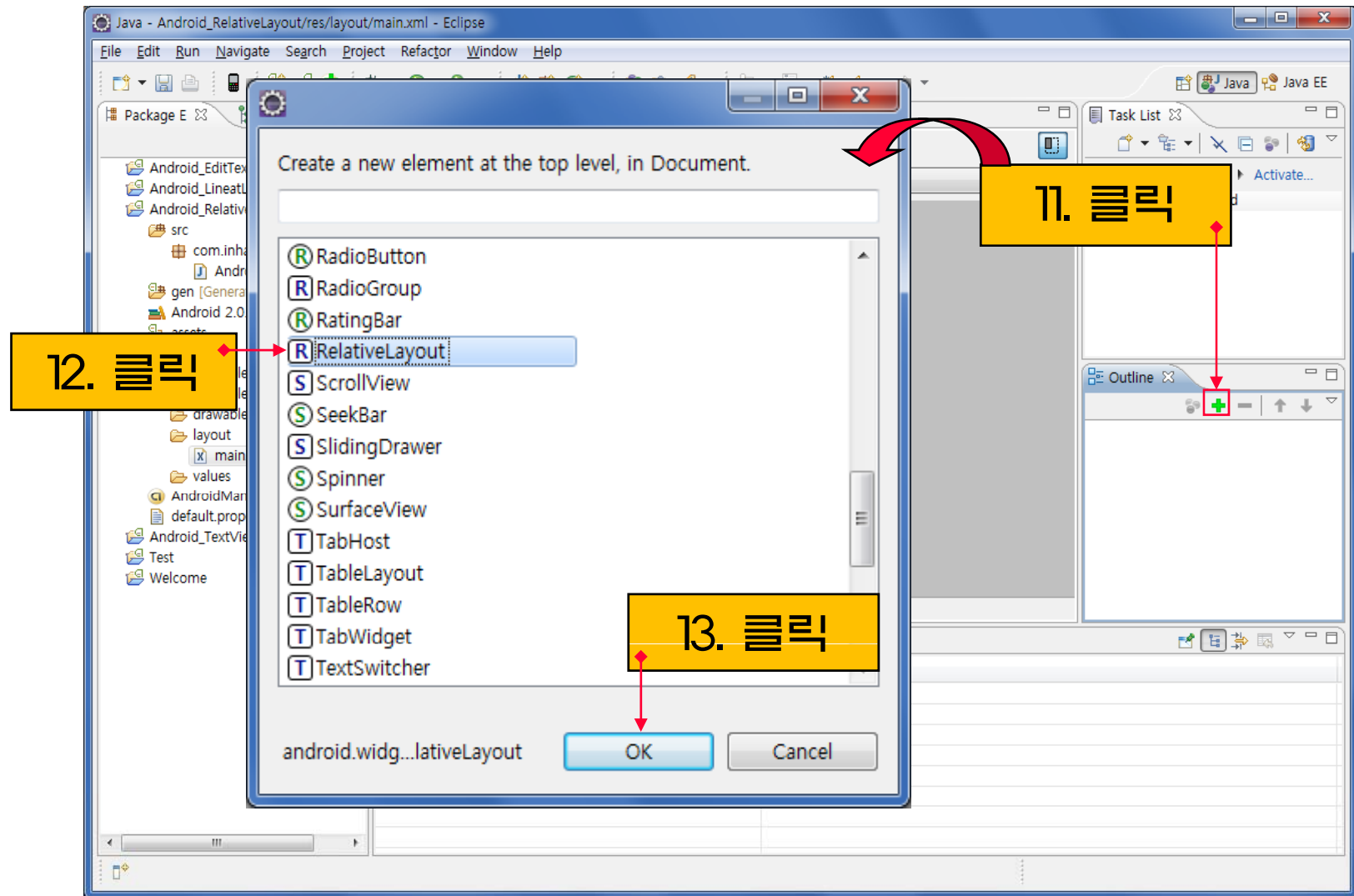
Linear Layout 삭제





Relative Layout 구현 (5)

❖ RelativeLayout 추가





Relative Layout 구현 (6)

❖ RelativeLayout 01 속성 지정

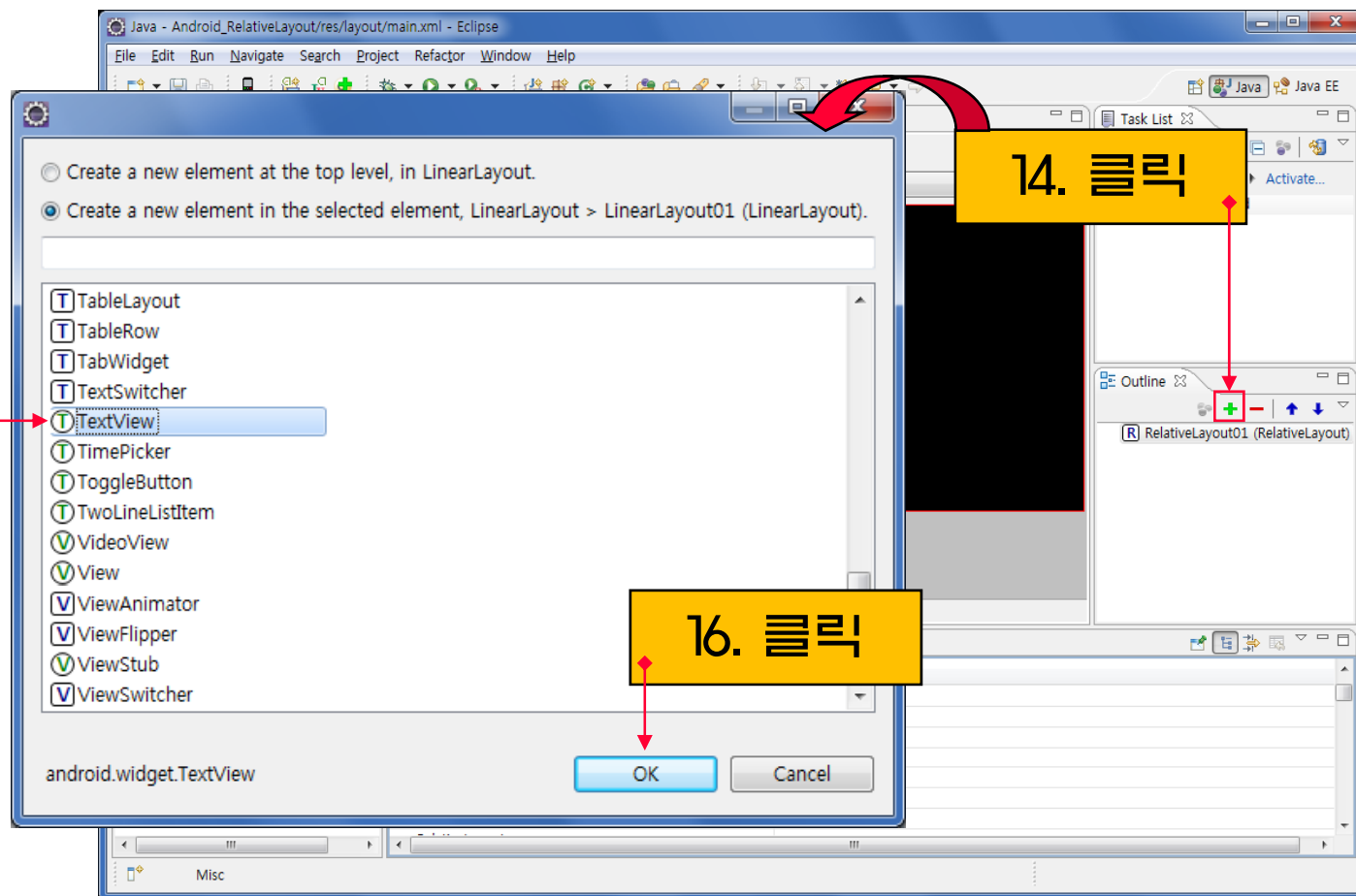
컨트롤	속성 지정
RelativeLayout01	<ul style="list-style-type: none">• id="@+id/RelativeLayout01"• layout_width="fill_parent"• layout_height="fill_parent"





Relative Layout 구현 (7)

- ❖ TextView 01, 02 추가
- ❖ EditText 01, 02 추가
- ❖ Button 01 추가



15. 클릭

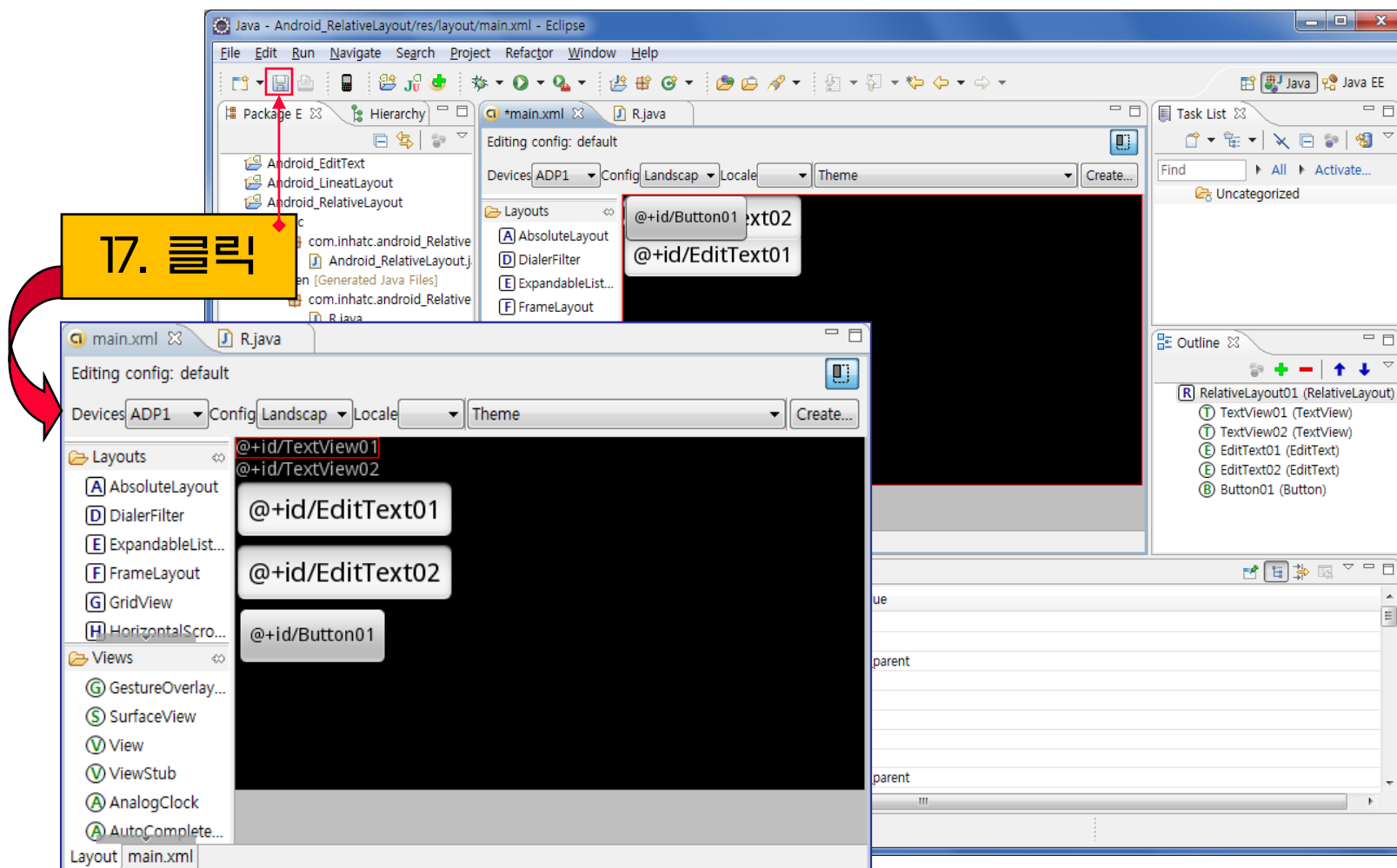
16. 클릭



Relative Layout 구현 (8)

❖ Main.xml 저장

◆ TextView, EditText, Button 재배열





Relative Layout 구현 (9)

❖ TextView 01, 02 속성 지정

컨트롤	속성 지정
TextView01	<ul style="list-style-type: none">• android:id="@+id/TextView01"• android:layout_height="wrap_content"• android:layout_width="wrap_content"• android:layout_alignBaseline="@+id/EditText01"• android:text="Login ID : "
TextView02	<ul style="list-style-type: none">• android:id="@+id/TextView02"• android:layout_below="@id/TextView01"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:text="Password : "• android:layout_alignBaseline="@+id/EditText02"





Relative Layout 구현 (10)

❖ EditText01, 02 속성 지정

컨트롤	속성 지정
EidtText01	<ul style="list-style-type: none">• android:id="@+id/EditText01"• android:layout_height="wrap_content"• android:width="200px"• android:layout_width="wrap_content"• android:layout_toRightOf="@id/TextView01"• android:hint="Enter ID"• android:editable="true"
EidtText02	<ul style="list-style-type: none">• android:id="@+id/EditText02"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:width="200px"• android:layout_toRightOf="@id/TextView02"• android:layout_below="@id/EditText01"• android:hint="Enter password"• android:editable="true"• android:password="true"





Relative Layout 구현 (11)

❖ Button01 속성 지정

컨트롤	속성 지정
Button01	<ul style="list-style-type: none">• android:id="@+id/Button01"• android:layout_below="@id/EditText02"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:layout_alignParentRight="true"• android:text="Login"• android:width="100px"• android:typeface="normal"• android:textSize="7pt"





Relative Layout 구현 (12)

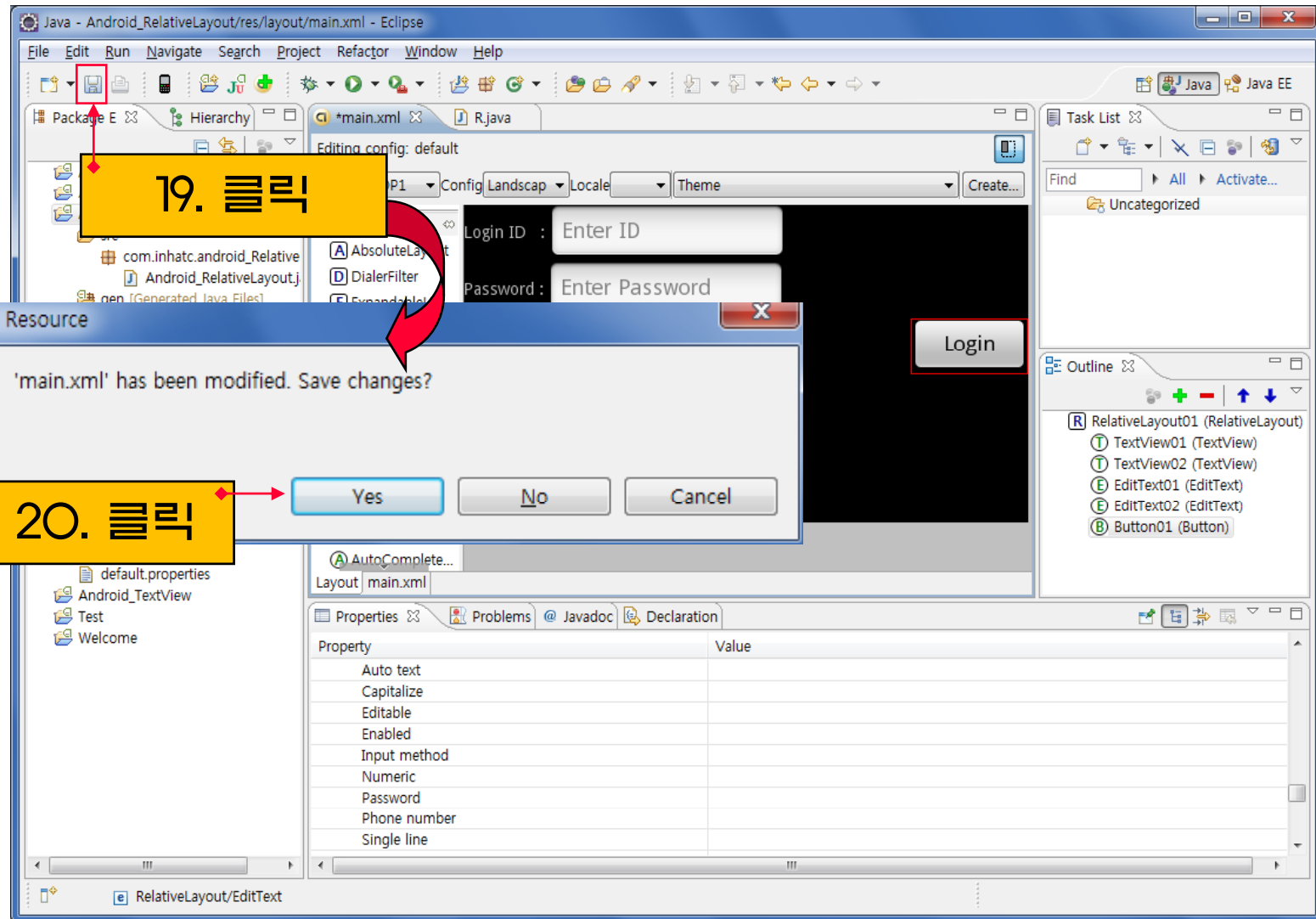
❖ TextView, EditText, Button 속성 지정 결과

18. 속성 지정 결과 확인



Relative Layout 구현 (13)

❖ Main.xml 저장





Relative Layout 구현 (14)

❖ Main.xml

```
main.xml
<EditText
    android:id="@+id/EditText02"
    android:layout_below="@id/EditText01"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_toRightOf="@id/TextView02"
    android:width="200px"
    android:hint="Enter Password"
    android:editable="true">
</EditText>
<Button
    android:id="@+id/Button01"
    android:layout_below="@id/EditText02"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentRight="true"
    android:text="Login"
    android:width="100px"
    android:textSize="7pt"
    android:typeface="normal">
</Button>
</RelativeLayout>
```

21. XML code 추가 확인





Relative Layout 구현 (15)

❖ R.java

```
R.java X
package com.inhatc.android_RelativeLayout;

public final class R {
    public static final class attr {
    }
    public static final class drawable {
        public static final int icon=0x7f020000;
    }
    public static final class id {
        public static final int Button01=0x7f050005;
        public static final int EditText01=0x7f050002;
        public static final int EditText02=0x7f050004;
        public static final int RelativeLayout01=0x7f050000;
        public static final int TextView01=0x7f050001;
        public static final int TextView02=0x7f050003;
    }
    public static final class layout {
        public static final int main=0x7f030000;
    }
    public static final class string {
        public static final int app_name=0x7f040001;
        public static final int hello=0x7f040000;
    }
}
```

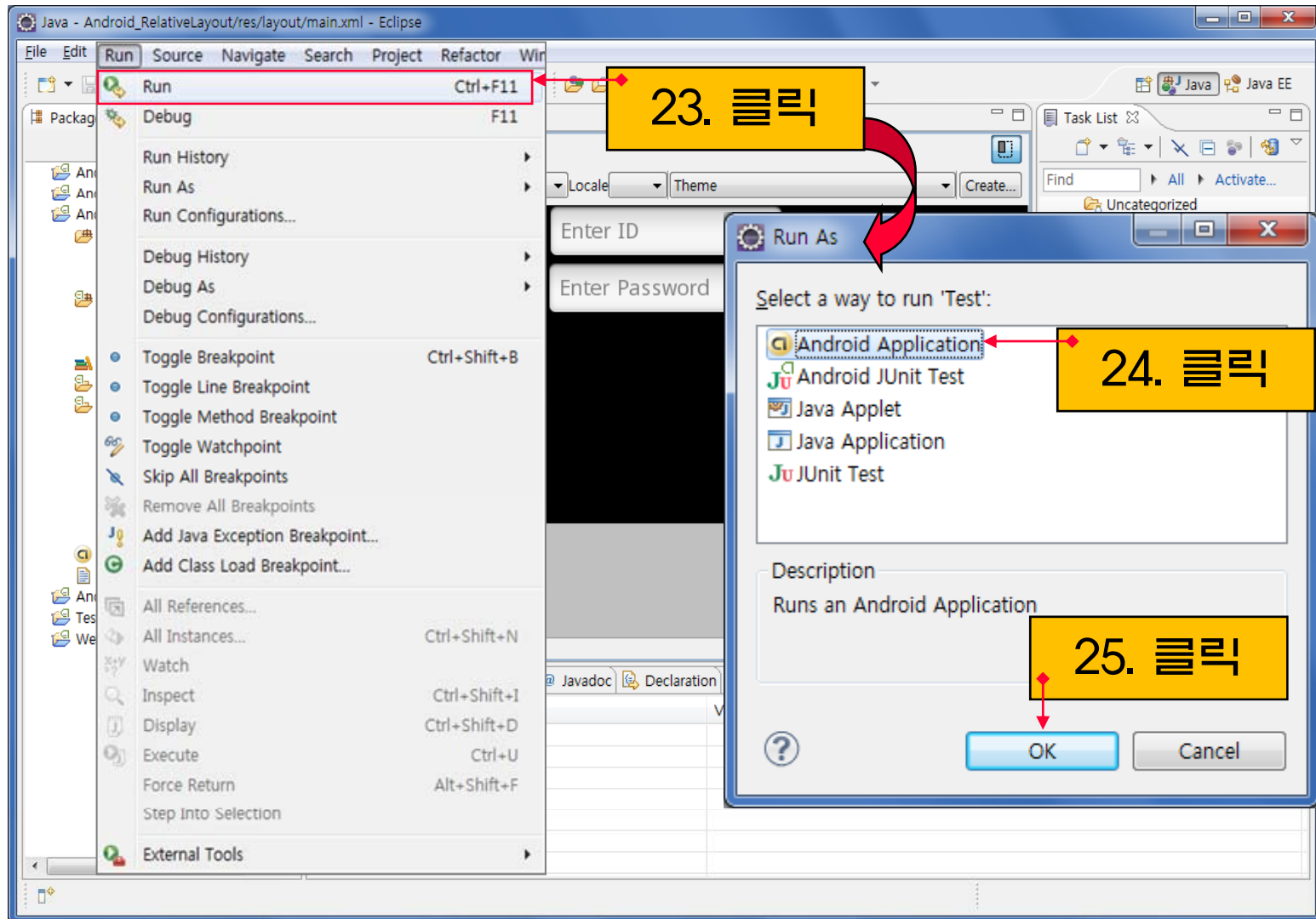
22. id 클래스 변수 추가 확인





Relative Layout 구현 (16)

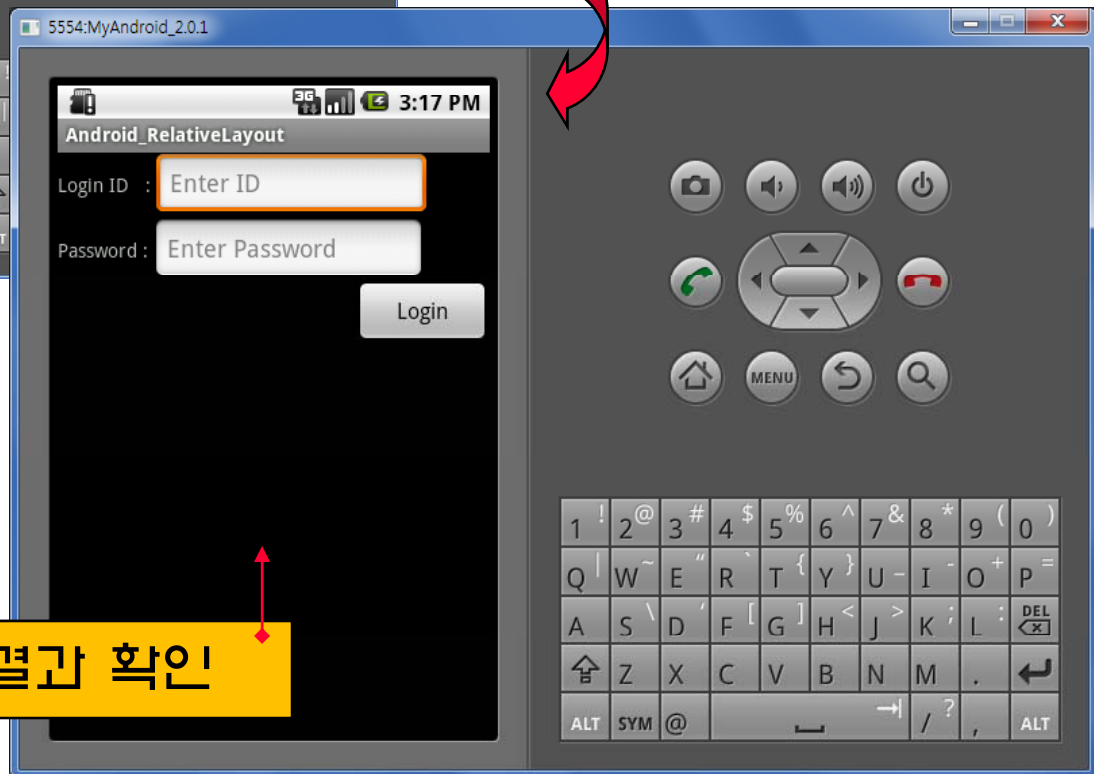
❖ Android 프로젝트 실행





Relative Layout 구현 (17)

실행 결과





Relative Layout 구현 (18)





실습 1 : XML로 RelativeLayout 구현

■ Android_RelativeLayout 프로젝트 (실습 시간 : 20분)

❖ main.xml 파일을 프로그래밍하여 아래 그림과 같이 구현하시오.

◆ 단계 1 : TextView03 추가

◆ 단계 2 : EditText03 추가





Table Layout 구현 (1)

■ Android 프로젝트 생성

❖ 프로젝트 명 : Android_TableLayout

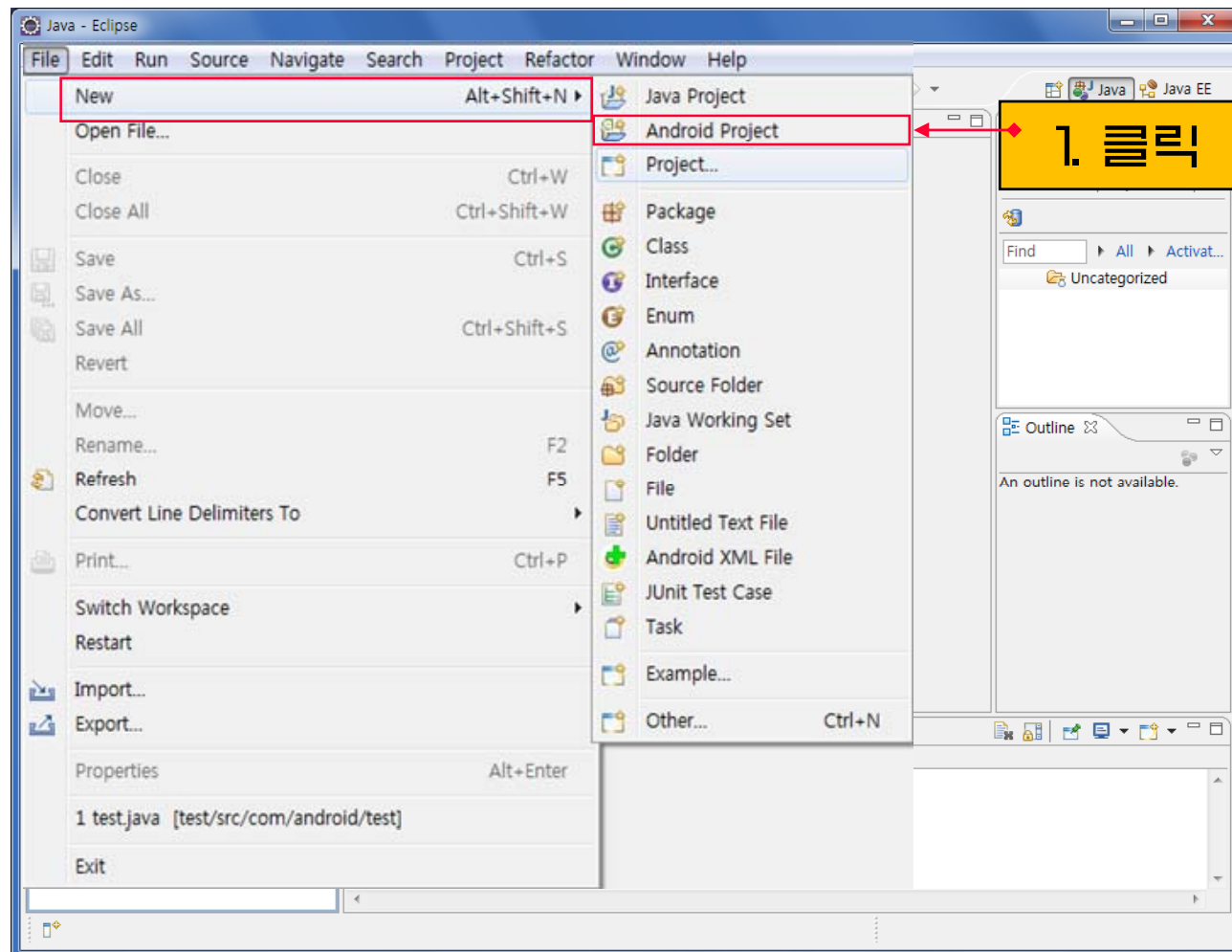




Table Layout 구현 (2)

New Android Project

Creates a new Android Project resource.

Project name:

Contents

☒ Create new project in workspace
☐ Create project from existing source
☒ Use default location

Location:

☐ Create project from existing sample

Samples:

Build Target

Target Name	Vendor	Platform	API ...
<input type="checkbox"/> Android 1.1	Android Open Source Project	1.1	2
<input type="checkbox"/> Android 1.5	Android Open Source Project	1.5	3
<input type="checkbox"/> Android 1.6	Android Open Source Project	1.6	4
<input type="checkbox"/> Android 2.0	Android Open Source Project	2.0	5
<input checked="" type="checkbox"/> Android 2.0.1	Android Open Source Project	2.0.1	6
<input type="checkbox"/> Google APIs	Google Inc.	1.5	3
<input type="checkbox"/> Google APIs	Google Inc.	1.6	4

Standard Android platform 2.0.1

Properties

Application name:

Package name:

☒ Create Activity:

Min SDK Version:

2. Android_TableLayout 입력

3. 클릭

4. Android_TableLayout 입력

5. com.inhatec.Android_TableLayout 입력

6. Android_TableLayout 입력

7. 클릭





Table Layout 구현 (3)

■ UI 설계

❖ TableLayout 01

◆ TableRow01

- TextView01
- TextView02

◆ TableRow02

- TextView03
- TextView04

◆ View01

◆ TableRow03

- TextView03
- TextView04

◆ View02

◆ TableRow04

- TextView03
- TextView04

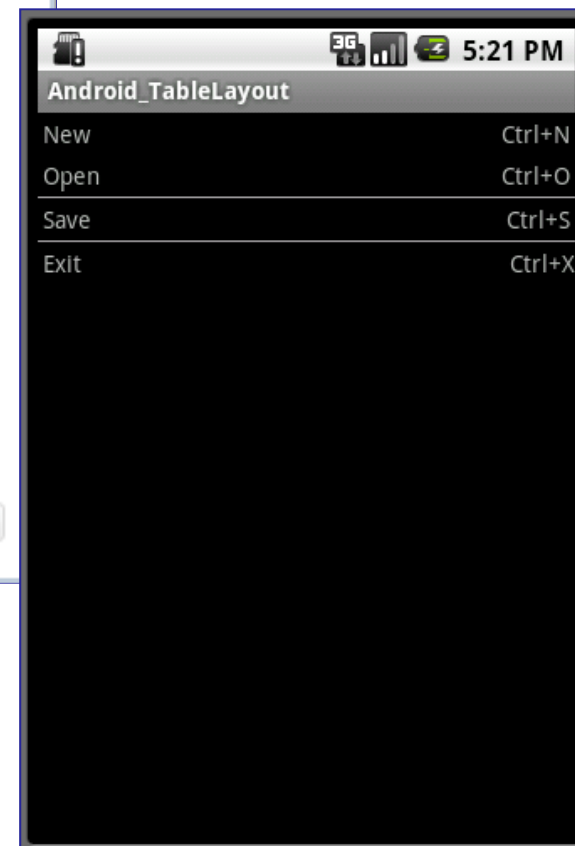
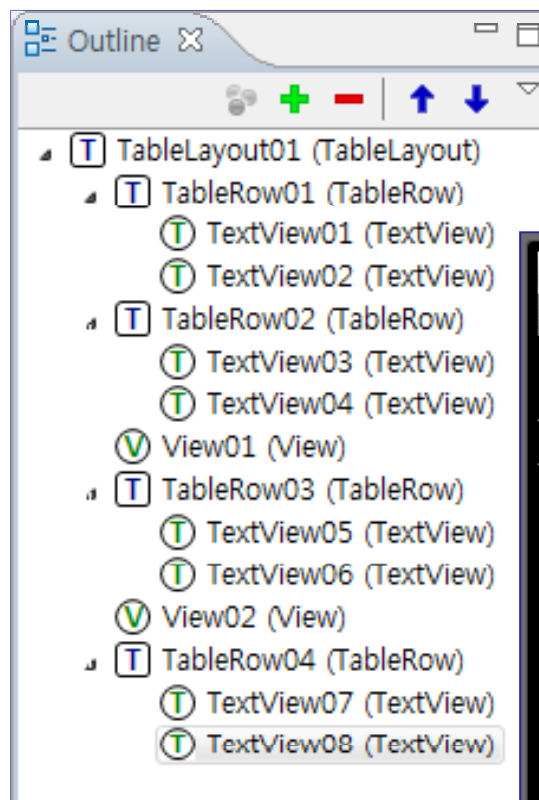




Table Layout 구현 (4)

Linear Layout 삭제

Java - Android_TableLayout/res/layout/main.xml - Eclipse

File Edit Run Navigate Search Project Refactor Window Help

Package Explorer: Android_EditText, Android_LinearLayout, Android_RelativeLayout, Android_TableLayout, src, gen [Generated Java Files], Android 2.0.1, assets, res, drawable-hdpi, drawable-ldpi, drawable-mdpi, layout, main.xml, values, AndroidManifest.xml, default.properties, Android_TextView, Test

main.xml: Editing config: default, Devices: ADP1, Config: Landscap, Locale, Theme, Create...
Layouts: AbsoluteLayout, DialerFilter, ExpandableList..., FrameLayout, GridView, HorizontalScro..., ImageSwitcher
Views: GestureOverlay..., SurfaceView, View, ViewStub

Task List: Find, All, Activate..., Uncategorized

Outline: LinearLayout, TextView

Remove element from Android XML: Do you really want to remove - LinearLayout? Yes No

9. 클릭

8. 클릭

10. 클릭



Table Layout 구현 (5)

❖ TableLayout 추가

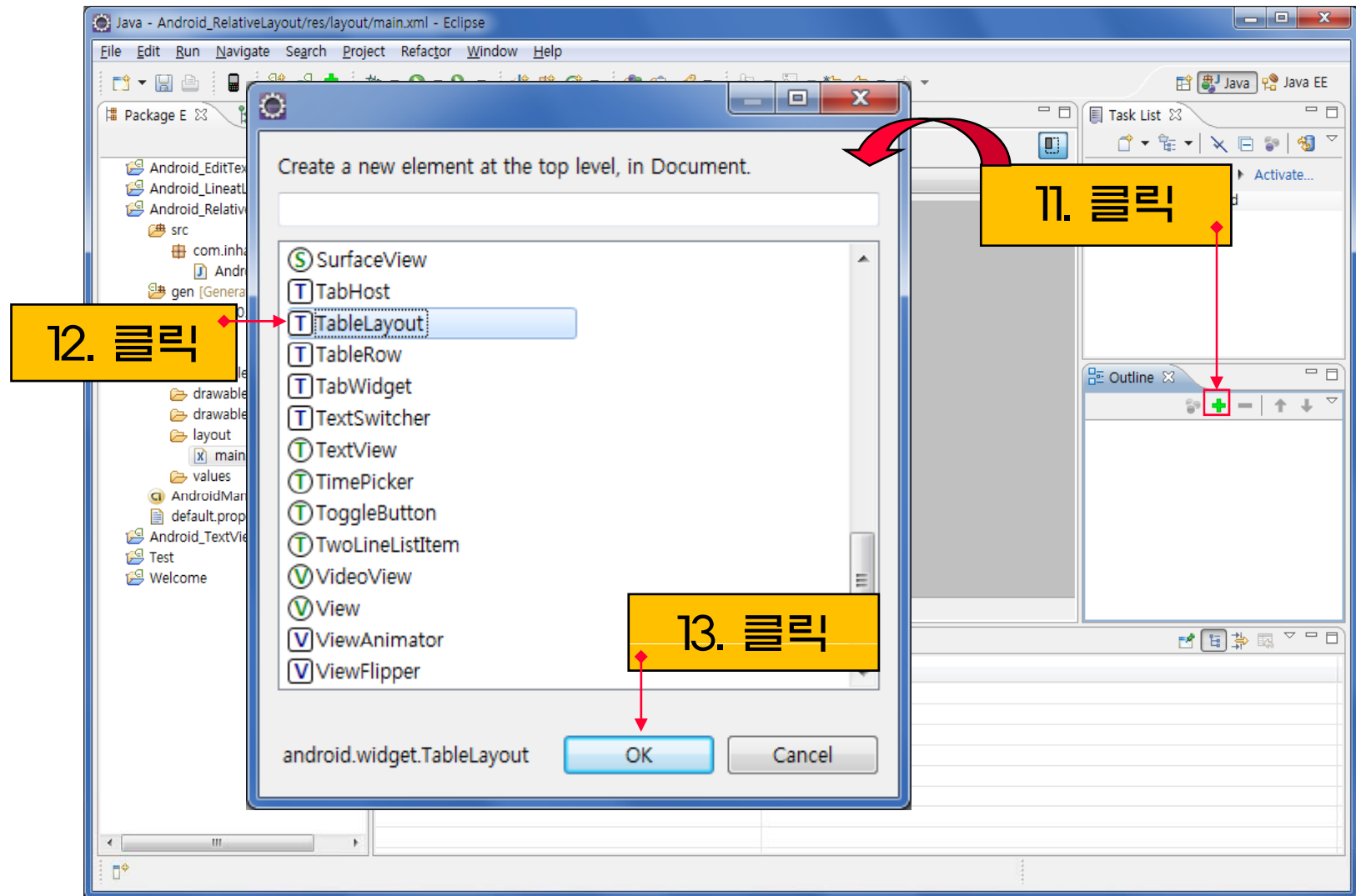




Table Layout 구현 (6)

❖ TableLayout 01 속성 지정

컨트롤	속성 지정
TableLayout01	<ul style="list-style-type: none">• id="@+id/TableLayout01"• layout_width="fill_parent"• layout_height="fill_parent"• android:stretchColumns="1"





Table Layout 구현 (7)

- ❖ TableRow 01~04 추가
- ❖ TextView 01~08 추가
- ❖ View 01, 02 추가

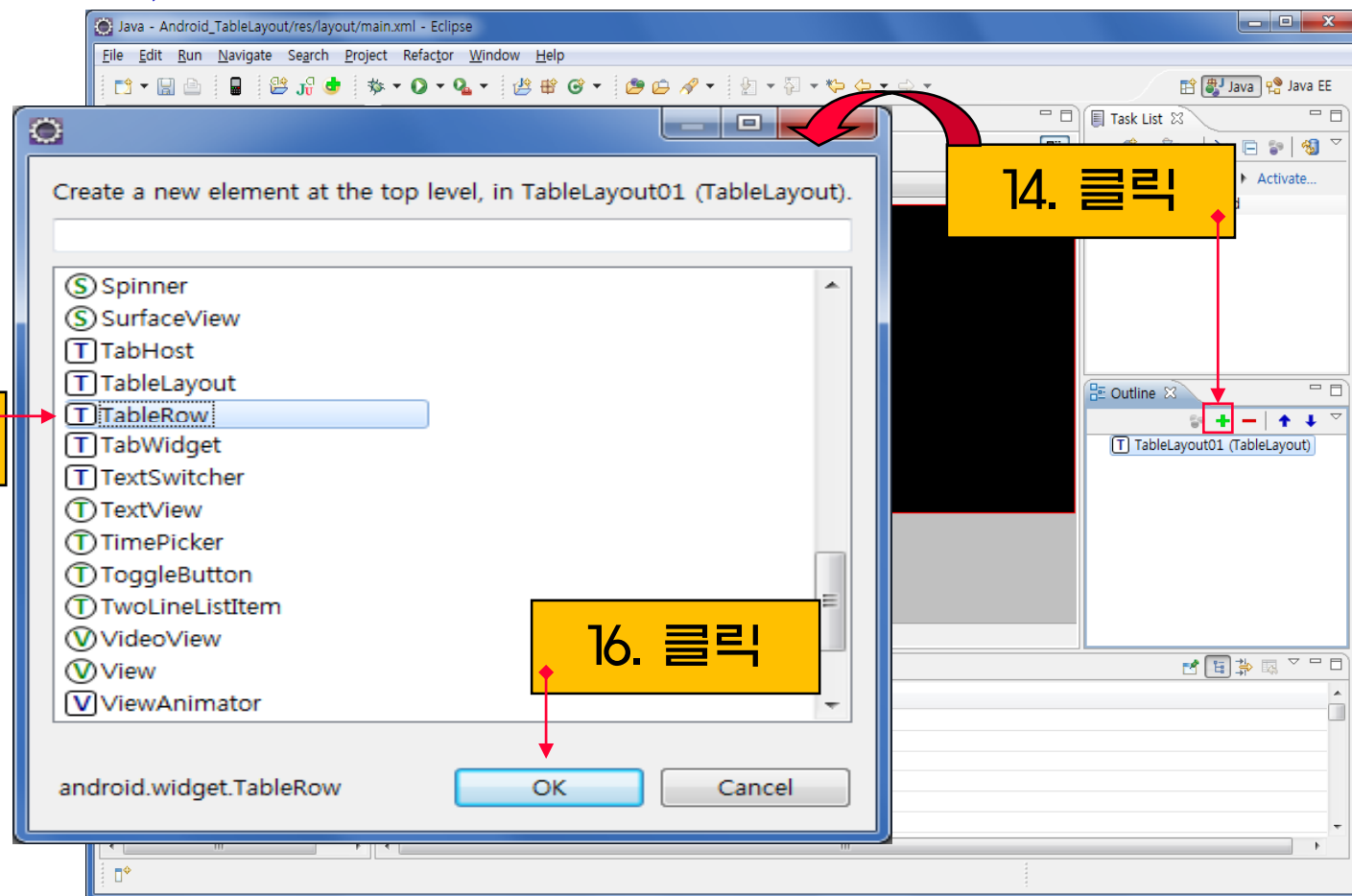




Table Layout 구현 (8)

❖ Main.xml 저장

◆ TableRow, TextView, View 재배열

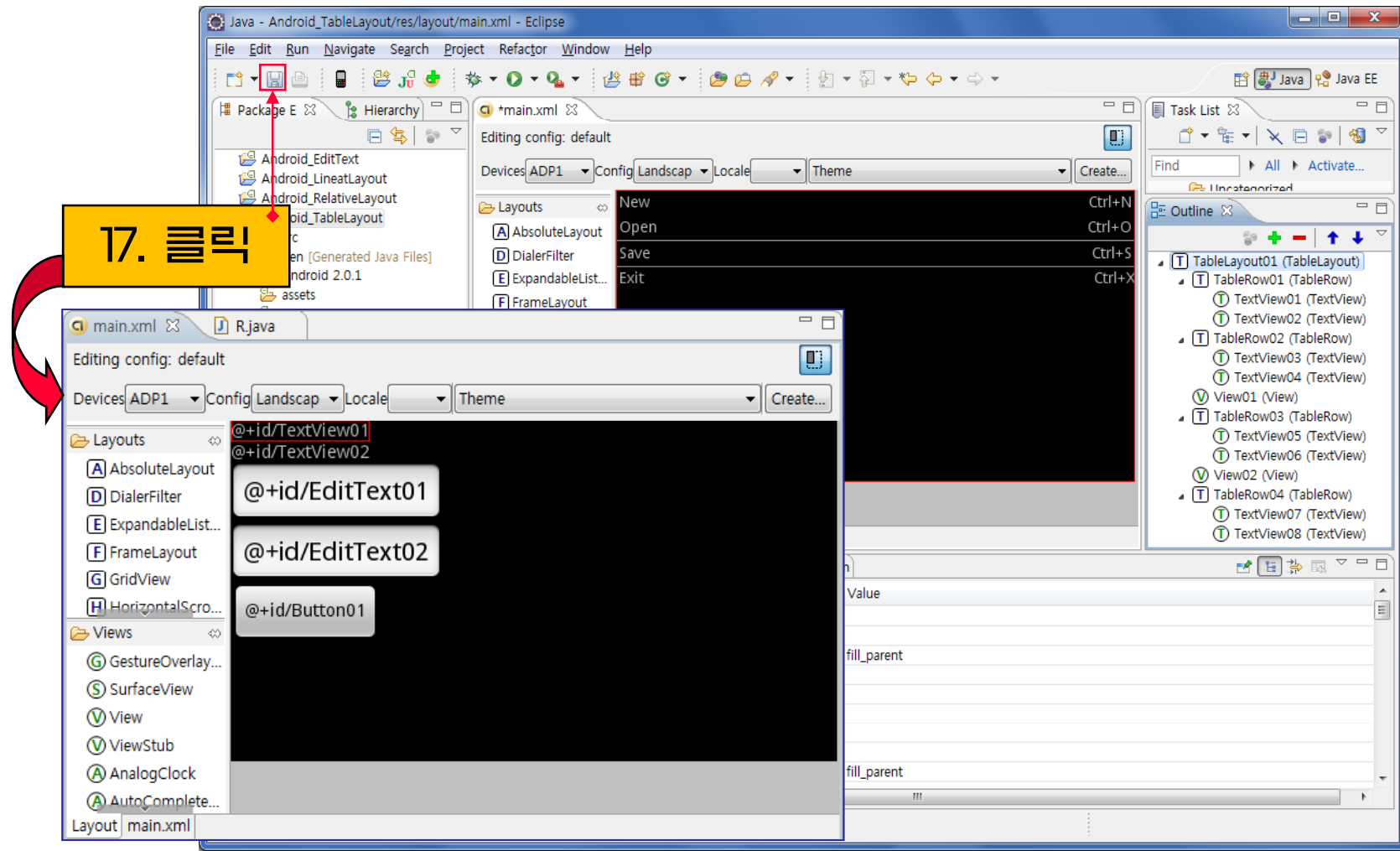




Table Layout 구현 (9)

❖ TableRow01, TextView 01, 02 속성 지정

컨트롤	속성 지정
TableRow01	<ul style="list-style-type: none">• android:id="@+id/TableRow01"• android:layout_width="wrap_content"• android:layout_height="wrap_content"
TextView01	<ul style="list-style-type: none">• android:id="@+id/TextView01"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:padding="3dip"• android:text="New"• android:layout_weight="1"
TextView02	<ul style="list-style-type: none">• android:id="@+id/TextView02"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:text="Ctrl+N"• android:padding="3dip"• android:gravity="right"• android:layout_weight="1"





Table Layout 구현 (10)

❖ TableRow02, TextView 03, 04 속성 지정

컨트롤	속성 지정
TableRow02	<ul style="list-style-type: none">• android:id="@+id/TableRow02"• android:layout_width="wrap_content"• android:layout_height="wrap_content"
TextView03	<ul style="list-style-type: none">• android:id="@+id/TextView03"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:text="Open"• android:padding="3dip"• android:layout_weight="1"
TextView04	<ul style="list-style-type: none">• android:id="@+id/TextView04"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:padding="3dip"• android:text="Ctrl+O"• android:gravity="right"• android:layout_weight="1"





Table Layout 구현 (11)

❖ TableRow03, TextView 05, 06 속성 지정

컨트롤	속성 지정
TableRow03	<ul style="list-style-type: none">• android:id="@+id/TableRow03"• android:layout_width="wrap_content"• android:layout_height="wrap_content"
TextView05	<ul style="list-style-type: none">• android:id="@+id/TextView05"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:layout_weight="1"• android:padding="3dip"• android:text="Save"
TextView06	<ul style="list-style-type: none">• android:id="@+id/TextView06"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:text="Ctrl+S"• android:padding="3dip"• android:layout_weight="1"• android:gravity="right"





Table Layout 구현 (12)

❖ TableRow04, TextView 07, 08 속성 지정

컨트롤	속성 지정
TableRow04	<ul style="list-style-type: none">• android:id="@+id/TableRow04"• android:layout_width="wrap_content"• android:layout_height="wrap_content"
TextView07	<ul style="list-style-type: none">• android:id="@+id/TextView07"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:text="Exit"• android:padding="3dip"• android:layout_weight="1"
TextView08	<ul style="list-style-type: none">• android:id="@+id/TextView08"• android:layout_width="wrap_content"• android:layout_height="wrap_content"• android:layout_weight="1"• android:gravity="right"• android:text="Ctrl+X"





Table Layout 구현 (13)

❖ View01, 02 속성 지정

컨트롤	속성 지정
View01	<ul style="list-style-type: none">• android:id="@+id/View01"• android:layout_width="wrap_content"• android:background="#AAAAAA"• android:layout_height="1dip"
View02	<ul style="list-style-type: none">• android:id="@+id/View02"• android:layout_width="wrap_content"• android:layout_height="1dip"• android:background="#AAAAAA">





Table Layout 구현 (14)

❖ TableRow, TextView, View 속성 지정 결과

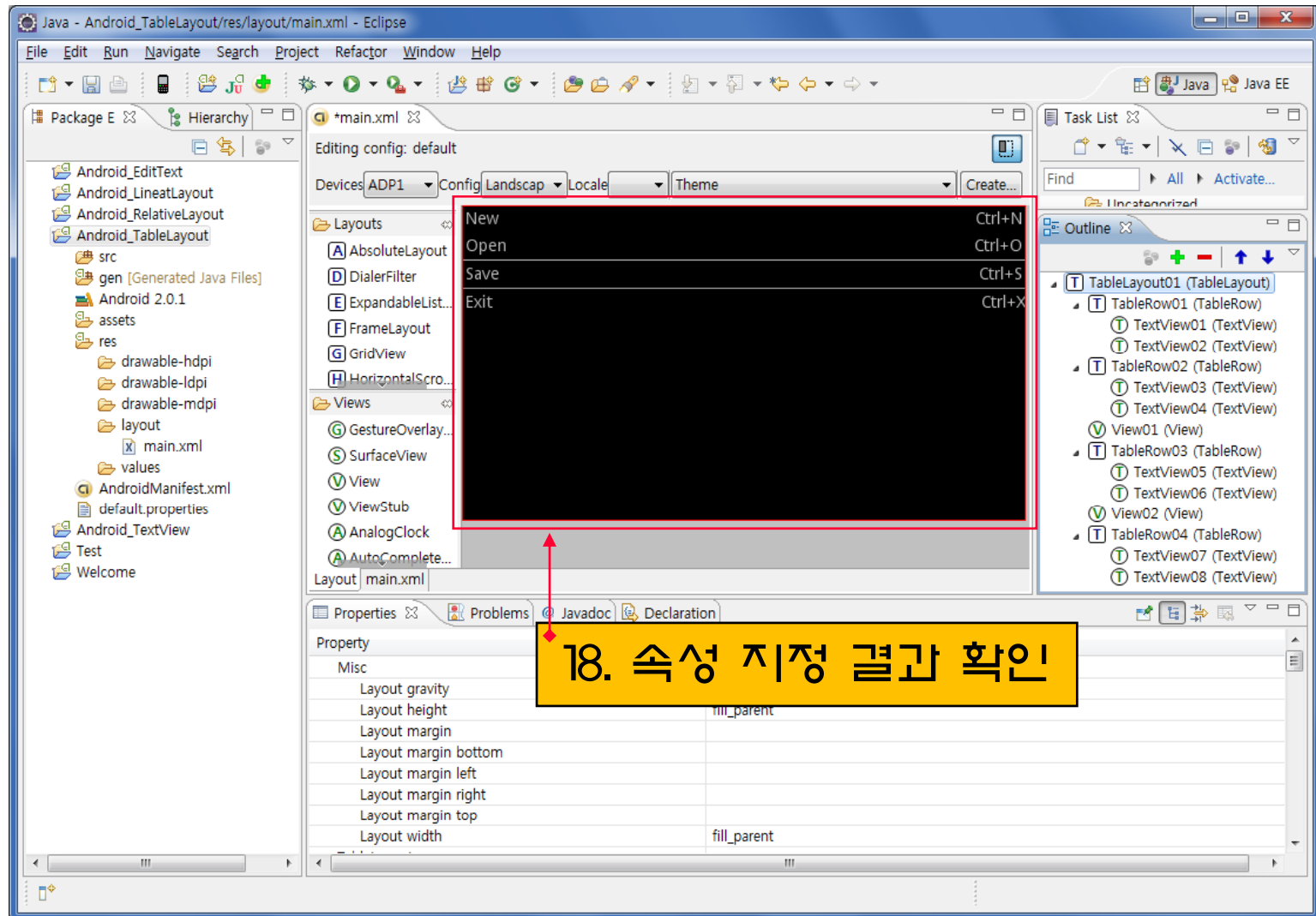




Table Layout 구현 (15)

❖ Main.xml 저장

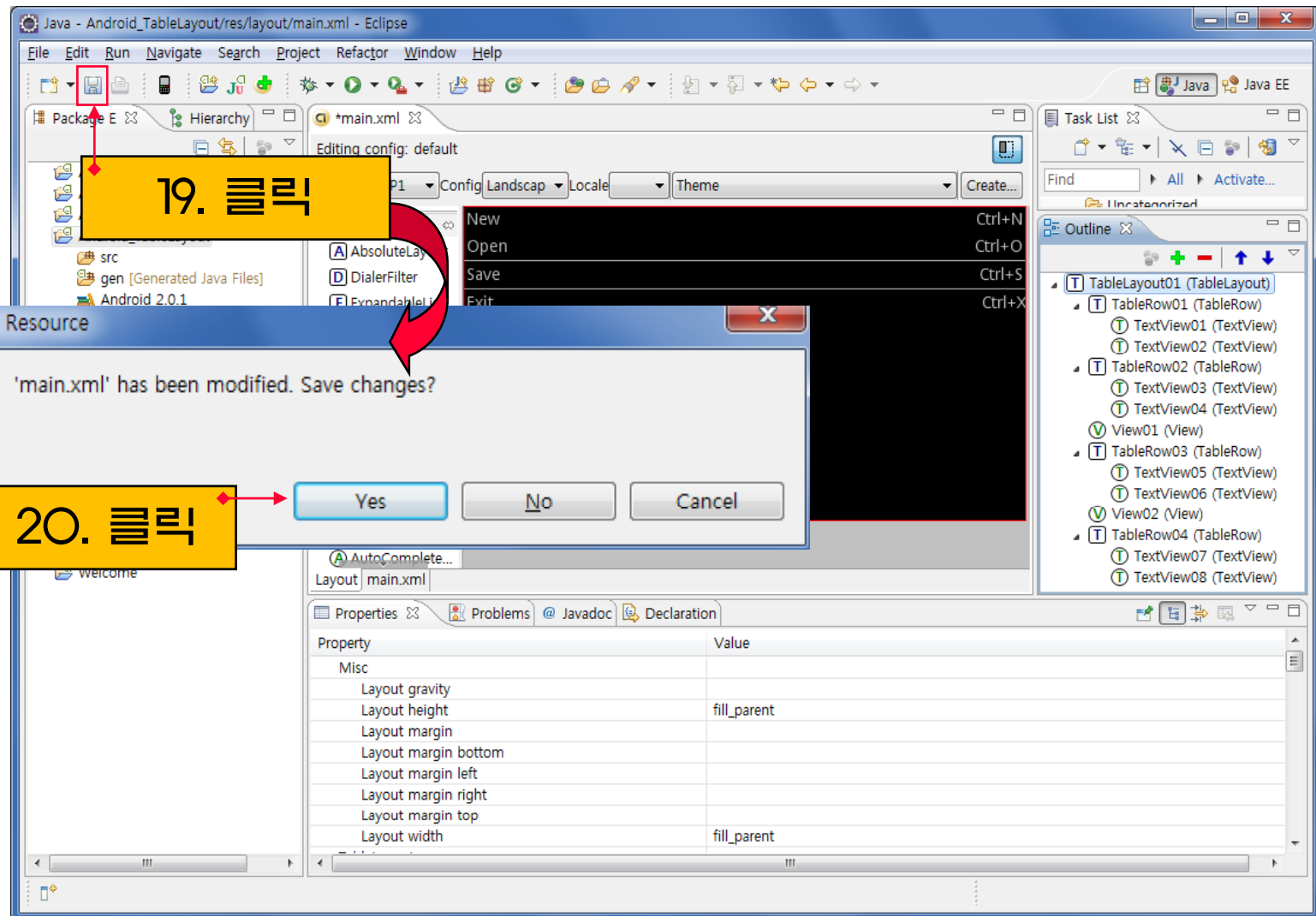




Table Layout 구현 (16)

❖ Main.xml

```
*main.xml X
<TableRow
    android:id="@+id/TableRow04"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content">
    <TextView android:id="@+id/TextView07"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Exit"
        android:padding="3dip"
        android:layout_weight="1">
    </TextView>
    <TextView
        android:id="@+id/TextView08"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:gravity="right"
        android:text="Ctrl+X">
    </TextView>
</TableRow>
</TableLayout>
```

Layout main.xml

21. XML code 추가 확인



Table Layout 구현 (17)

❖ R.java

```
R.java X
/* AUTO-GENERATED FILE. DO NOT MODIFY.
 *
 * This class was automatically generated by the
 * aapt tool from the resource data it found. It
 * should not be modified by hand.
 */

package com.inhatc.android_TableLayout;

public final class R {
    public static final class attr {
    }
    public static final class drawable {
        public static final int icon=0x7f020000;
    }
    public static final class id {
        public static final int TableLayout01=0x7f050000;
        public static final int TableRow01=0x7f050001;
        public static final int TableRow02=0x7f050004;
        public static final int TableRow03=0x7f050008;
        public static final int TableRow04=0x7f05000c;
        public static final int TextView01=0x7f050002;
        public static final int TextView02=0x7f050003;
        public static final int TextView03=0x7f050005;
        public static final int TextView04=0x7f050006;
        public static final int TextView05=0x7f050009;
        public static final int TextView06=0x7f05000a;
        public static final int TextView07=0x7f05000d;
        public static final int TextView08=0x7f05000e;
        public static final int View01=0x7f050007;
        public static final int View02=0x7f05000b;
    }
}
```

22. id 클래스 변수 추가 확인





Table Layout 구현 (18)

❖ Android 프로젝트 실행

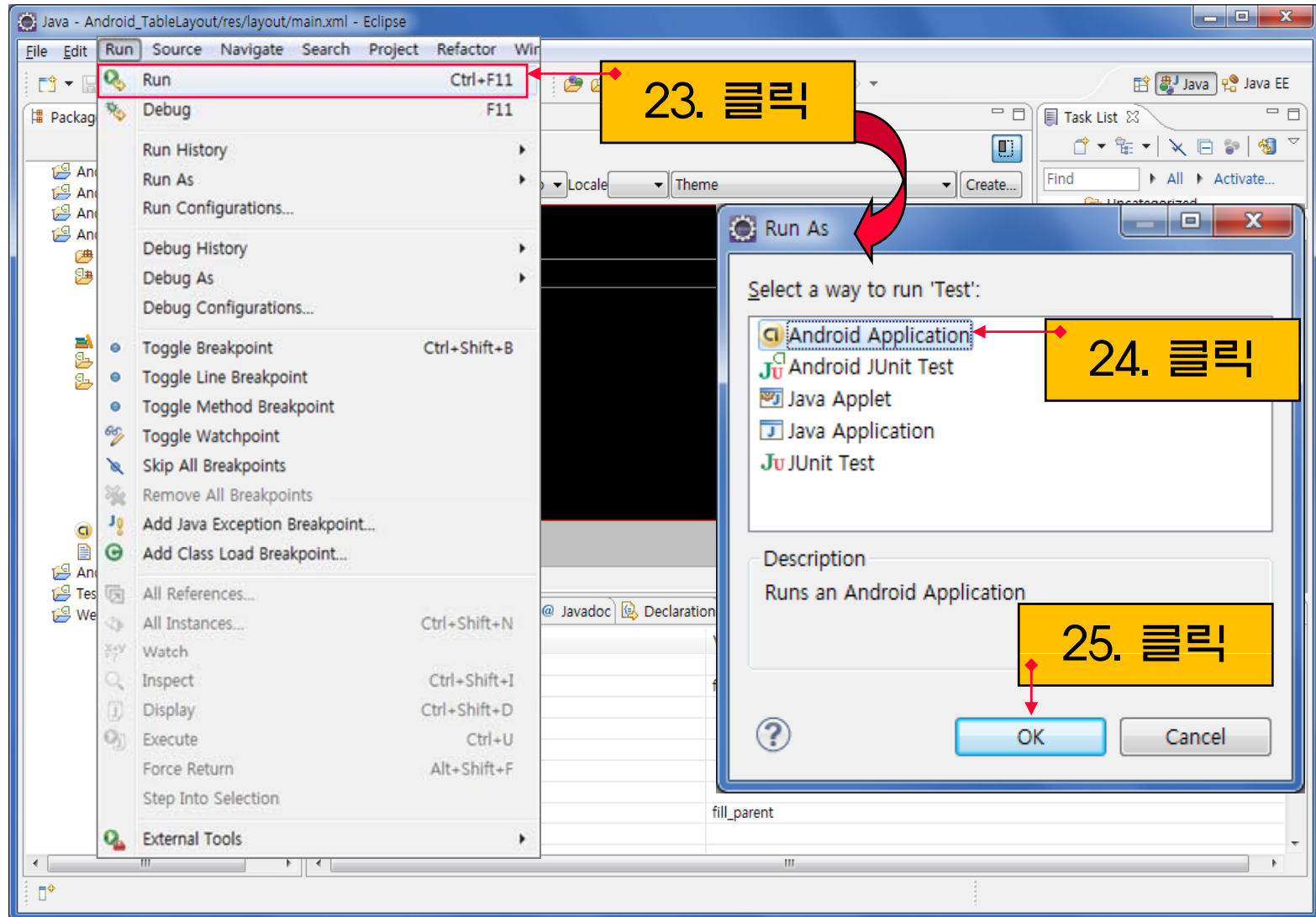




Table Layout 구현 (19)

실행 결과



26. 클릭



27. 결과 확인





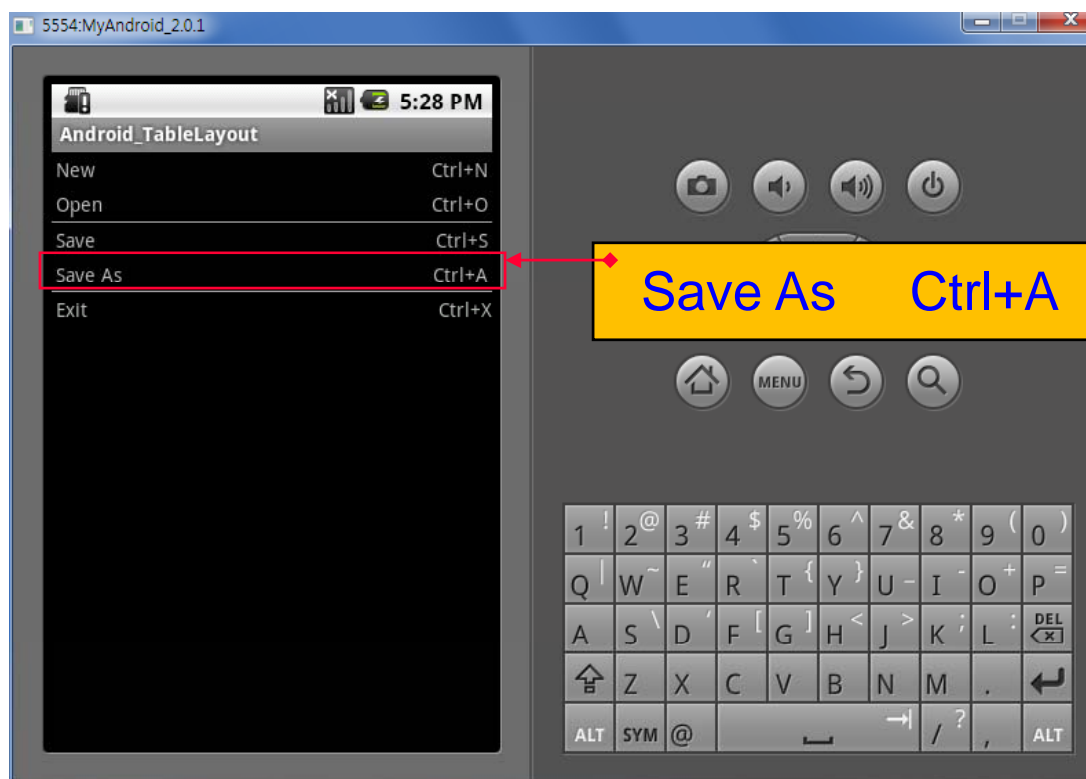
실습 2 : XML로 Table Layout 구현

■ Android_TableLayout 프로젝트 (실습 시간 : 20분)

❖ main.xml 파일을 프로그래밍하여 아래 그림과 같이 구현하시오.

◆ 단계 1 : TableRow05 추가

◆ 단계 2 : TextView09, TextView10 추가





Tab Layout

■ Tab Layout

❖ 기능

◆ Tab기능 제공

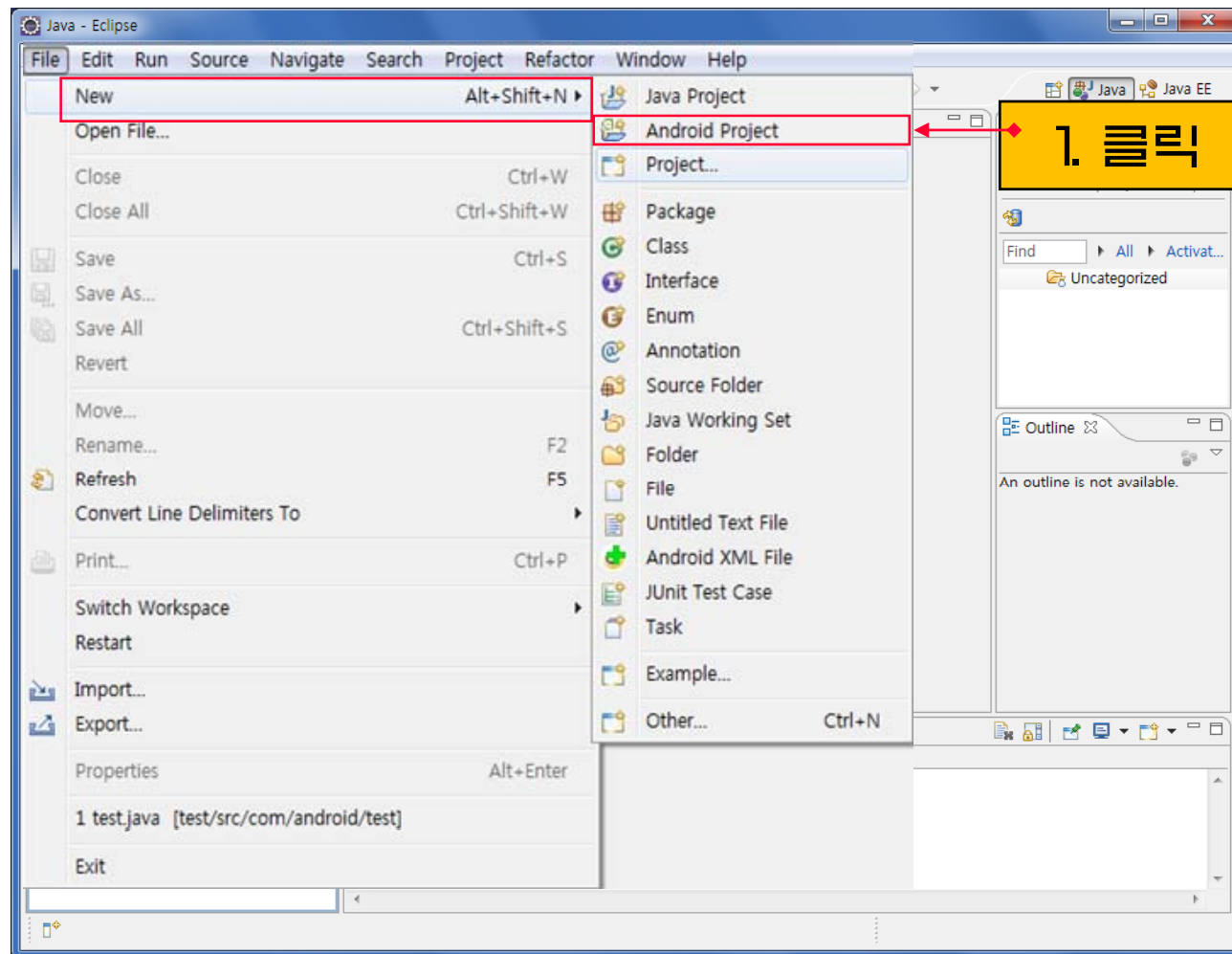




Tab Layout 구현 (1)

■ Android 프로젝트 생성

❖ 프로젝트 명 : Android_TabLayout





Tab Layout 구현 (2)

New Android Project

Creates a new Android Project resource.

Project name:

Contents

- ☒ Create new project in workspace
- ☐ Create project from existing source
- ☒ Use default location

Location:

☐ Create project from existing sample

Samples:

Build Target

Target Name	Vendor	Platform	API ...
<input type="checkbox"/> Android 1.1	Android Open Source Project	1.1	2
<input type="checkbox"/> Android 1.5	Android Open Source Project	1.5	3
<input type="checkbox"/> Android 1.6	Android Open Source Project	1.6	4
<input type="checkbox"/> Android 2.0	Android Open Source Project	2.0	5
<input type="checkbox"/> Android 2.0.1	Android Open Source Project	2.0.1	6
<input checked="" type="checkbox"/> Android 2.1	Android Open Source Project	2.1	7
<input type="checkbox"/> Google APIs	Google Inc.	1.5	3
<input type="checkbox"/> Google APIs	Google Inc.	1.6	4

Standard Android platform 2.1

Properties

Application name:

Package name:

☒ Create Activity:

Min SDK Version:

2. Android_TabLayout 입력

3. 클릭

4. Android_TabLayout 입력

5. com.inhatec.Android_TabLayout 입력

6. Android_TabLayout 입력

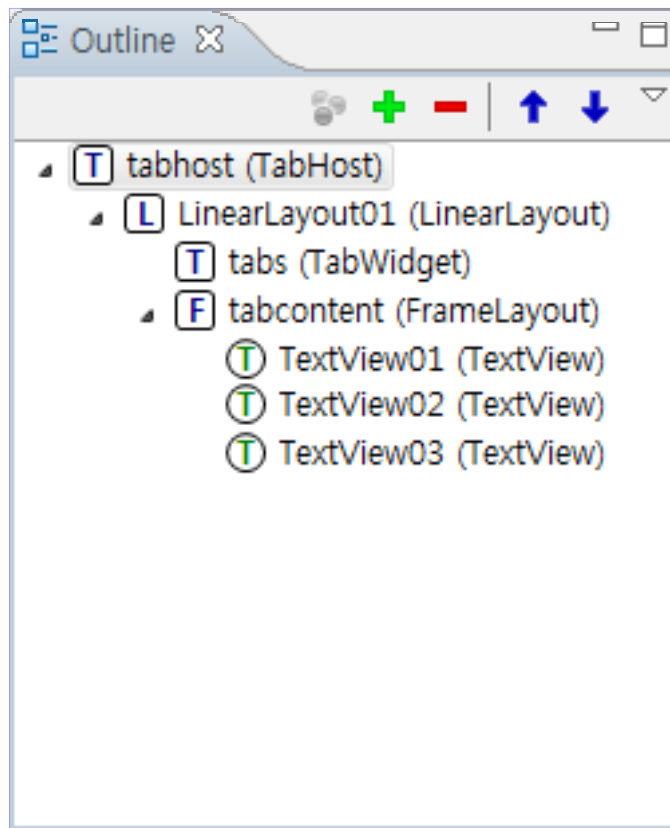
7. 클릭



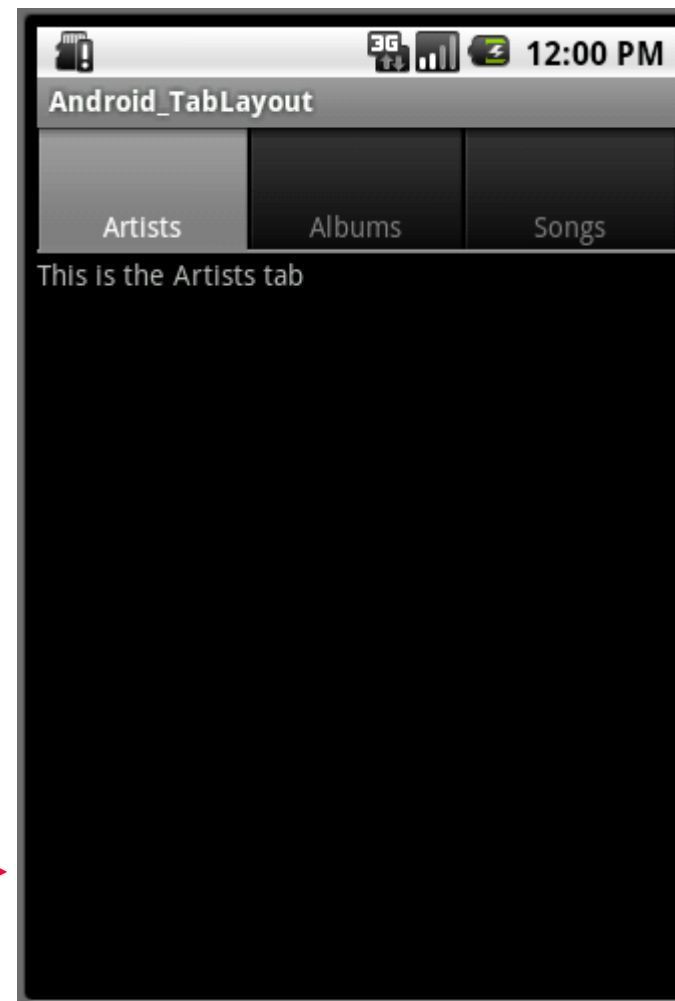


Tab Layout 구현 (3)

■ UI 설계



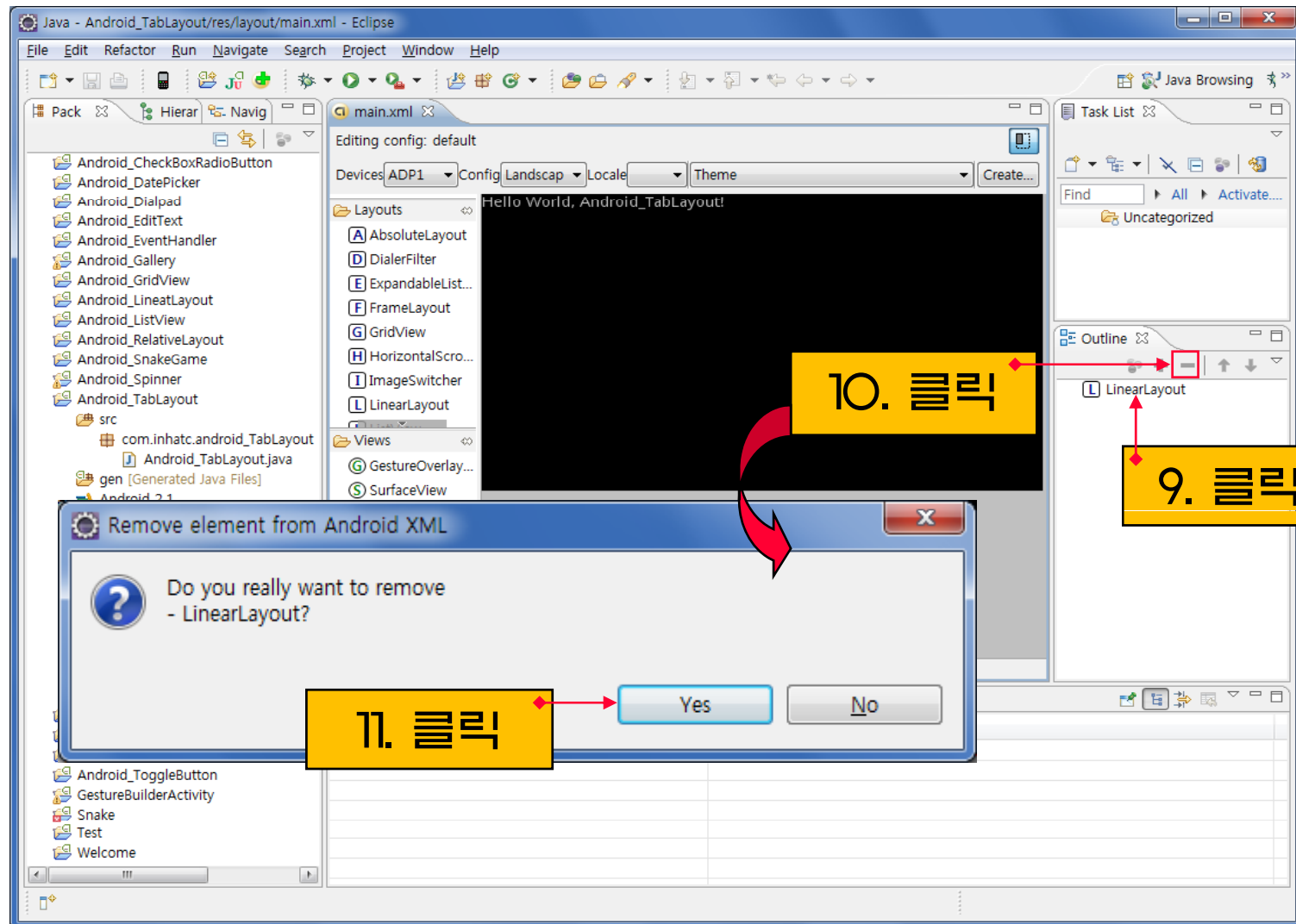
8. UI 설계 및 속성 지정





Tab Layout 구현 (4)

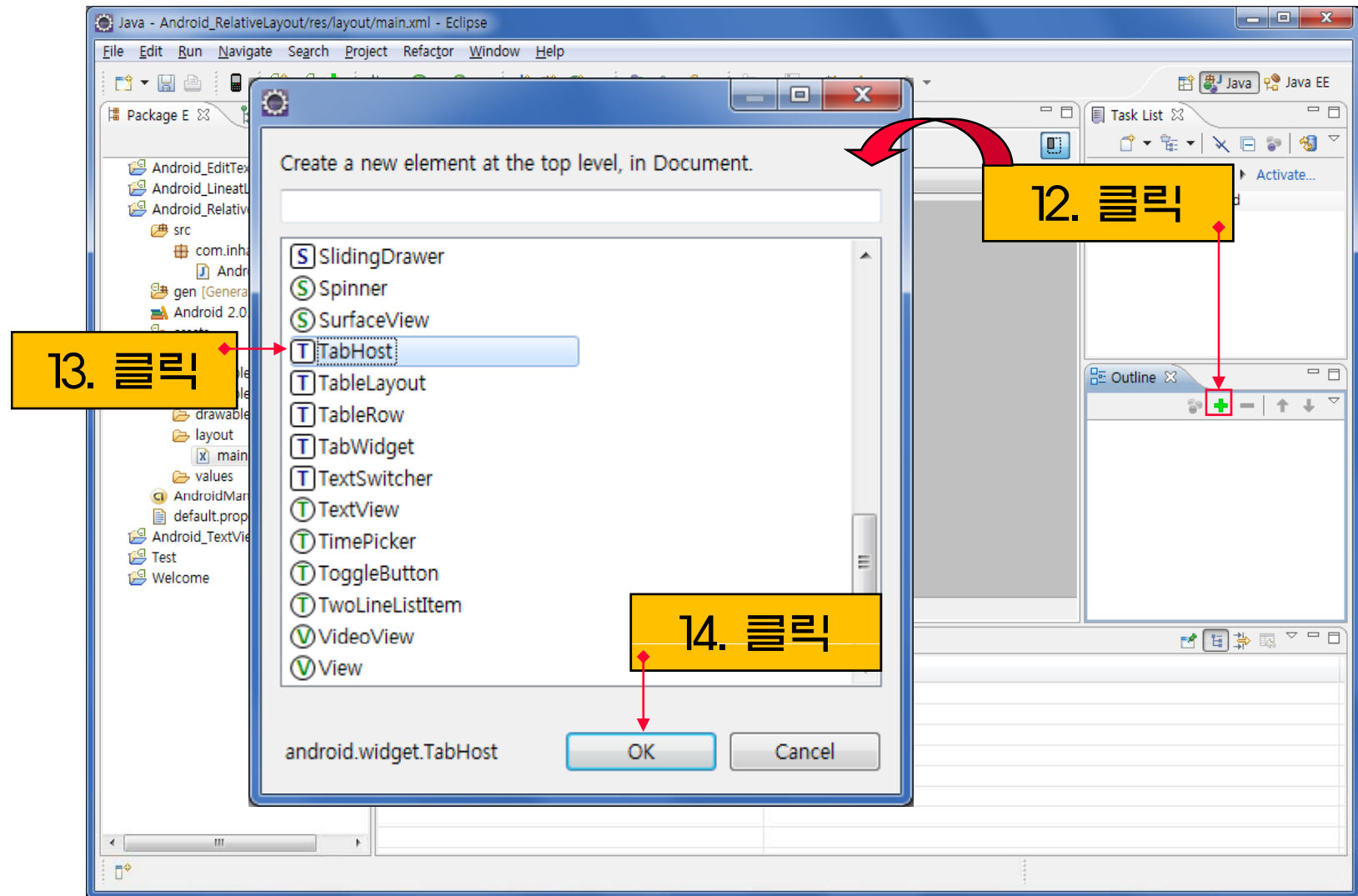
Linear Layout 삭제





Tab Layout 구현 (5)

❖ Tab Host 추가





Tab Layout 구현 (6)

❖ Tab Host 속성 지정

◆ android:id 속성 수정

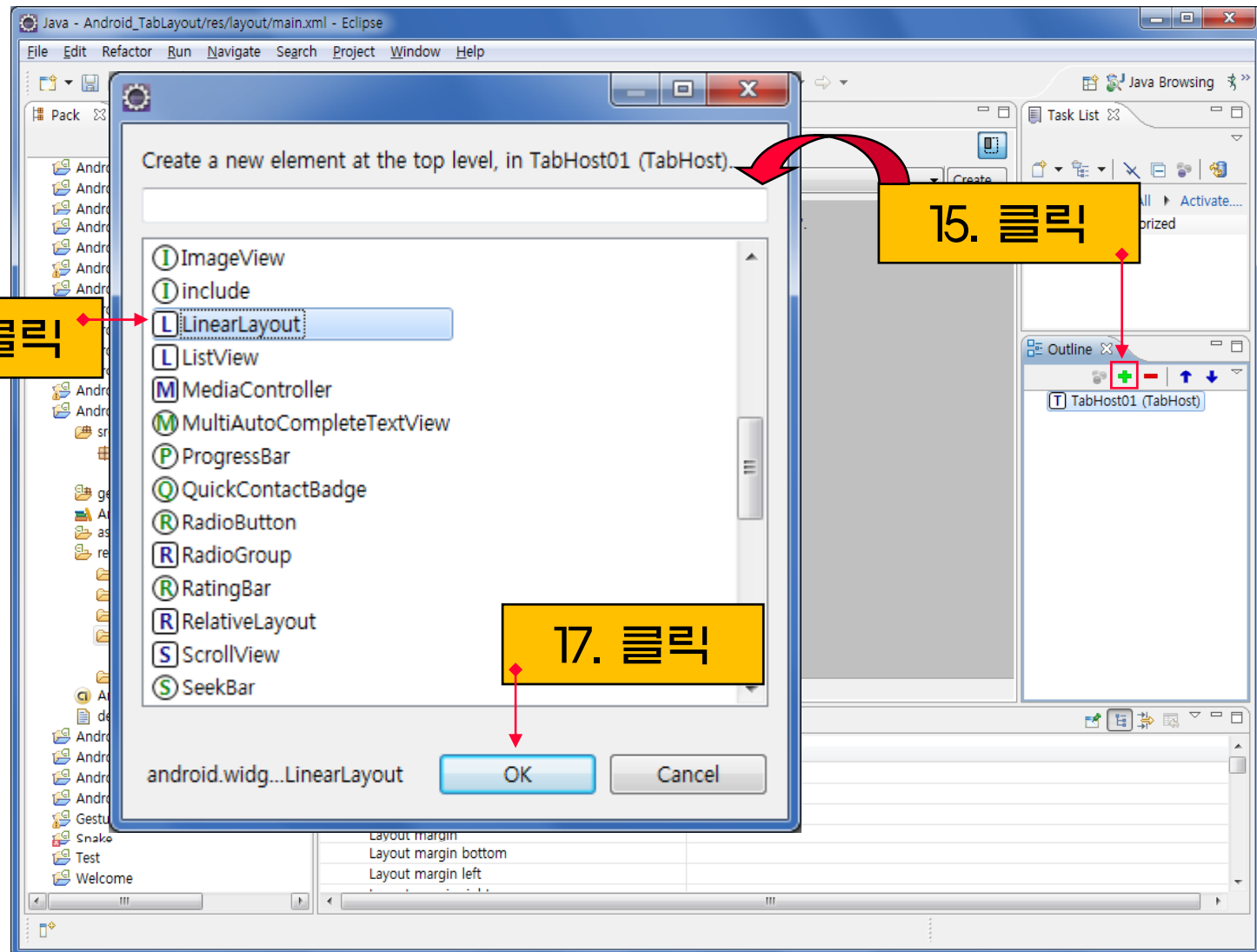
컨트롤	속성 지정
Tab Host01	<ul style="list-style-type: none">• android:id="@android:id/tabhost"• android:layout_width="fill_parent"• android:layout_height="fill_parent"• xmlns:android="http://schemas.android.com/apk/res/android"





Tab Layout 구현 (7)

❖ Linear Layout 추가





Tab Layout 구현 (8)

❖ LinearLayout 속성 지정

컨트롤	속성 지정
LinearLayout	<ul style="list-style-type: none">• android:id="@+id/LinearLayout01"• android:layout_height="fill_parent"• android:layout_width="fill_parent"• android:orientation="vertical"





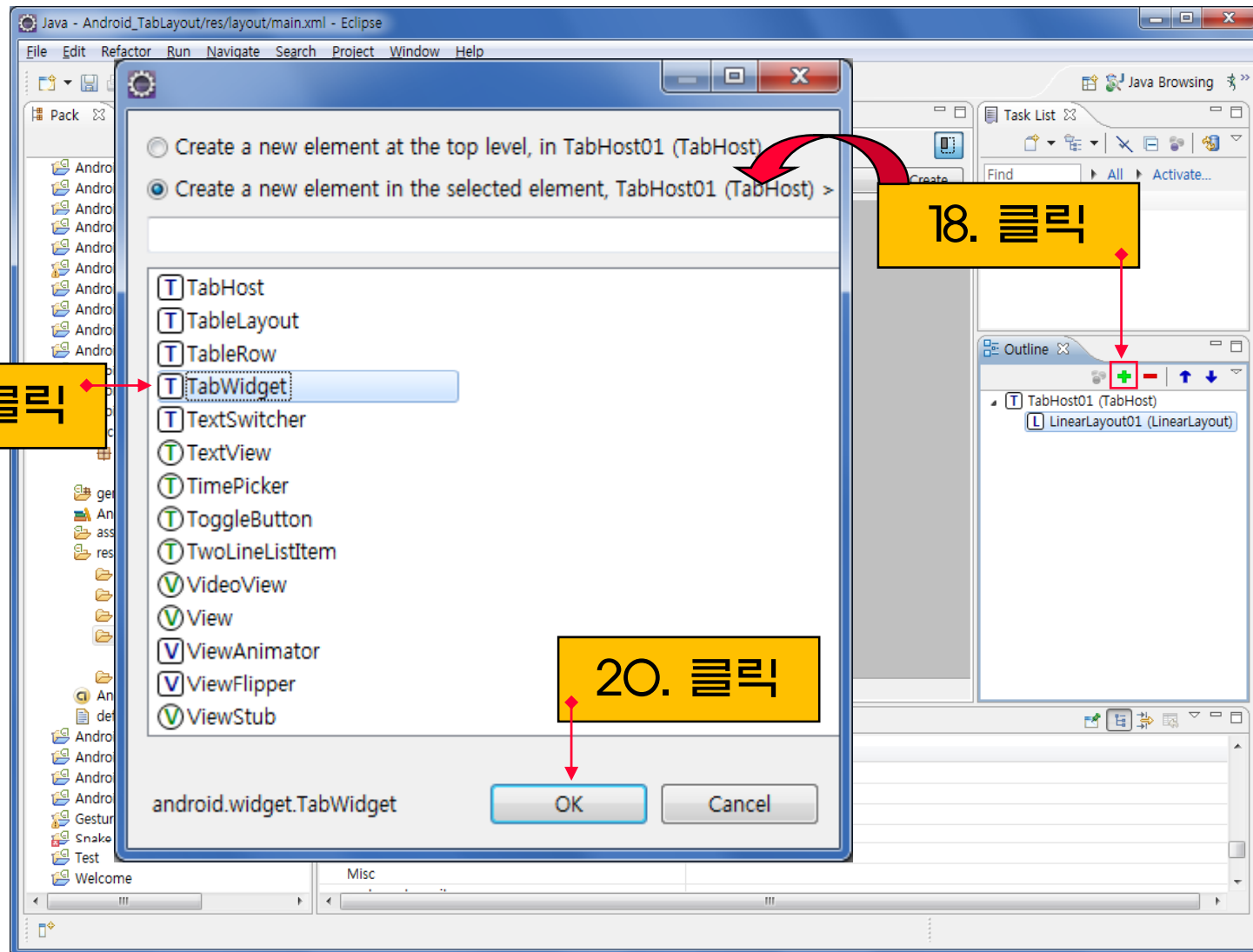
Tab Layout 구현 (9)

❖ Tab Widget 추가

19. 클릭

18. 클릭

20. 클릭





Tab Layout 구현 (10)

❖ Tab Widget 속성 지정

◆ android:id 속성 수정

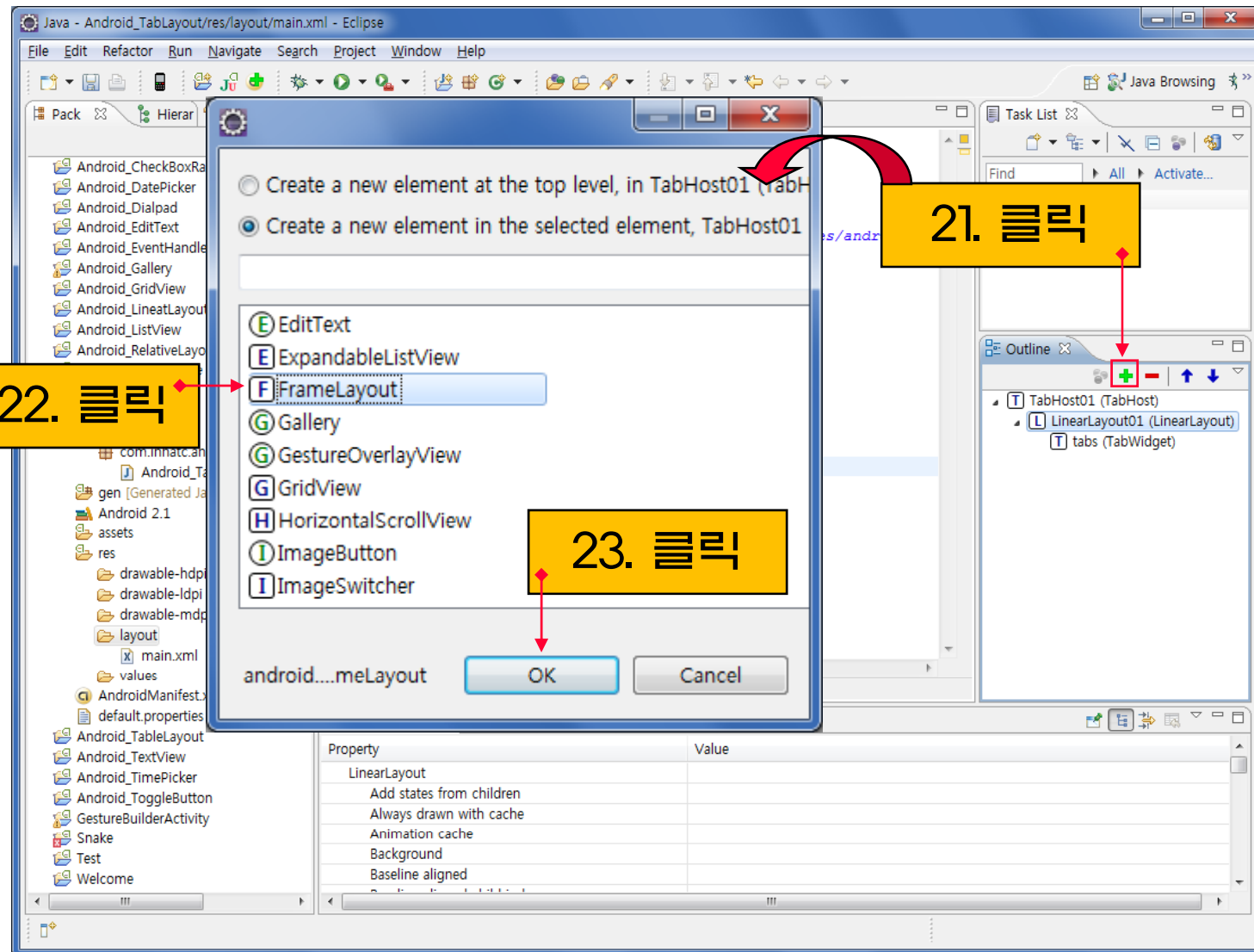
컨트롤	속성 지정
LinearLayout	<ul style="list-style-type: none">• android:id="@android:id/tabs"• android:layout_height="wrap_content"• android:layout_width="fill_parent"





Tab Layout 구현 (11)

❖ Frame Layout 추가





Tab Layout 구현 (12)

❖ Frame Layout 속성 지정

◆ android:id 속성 수정

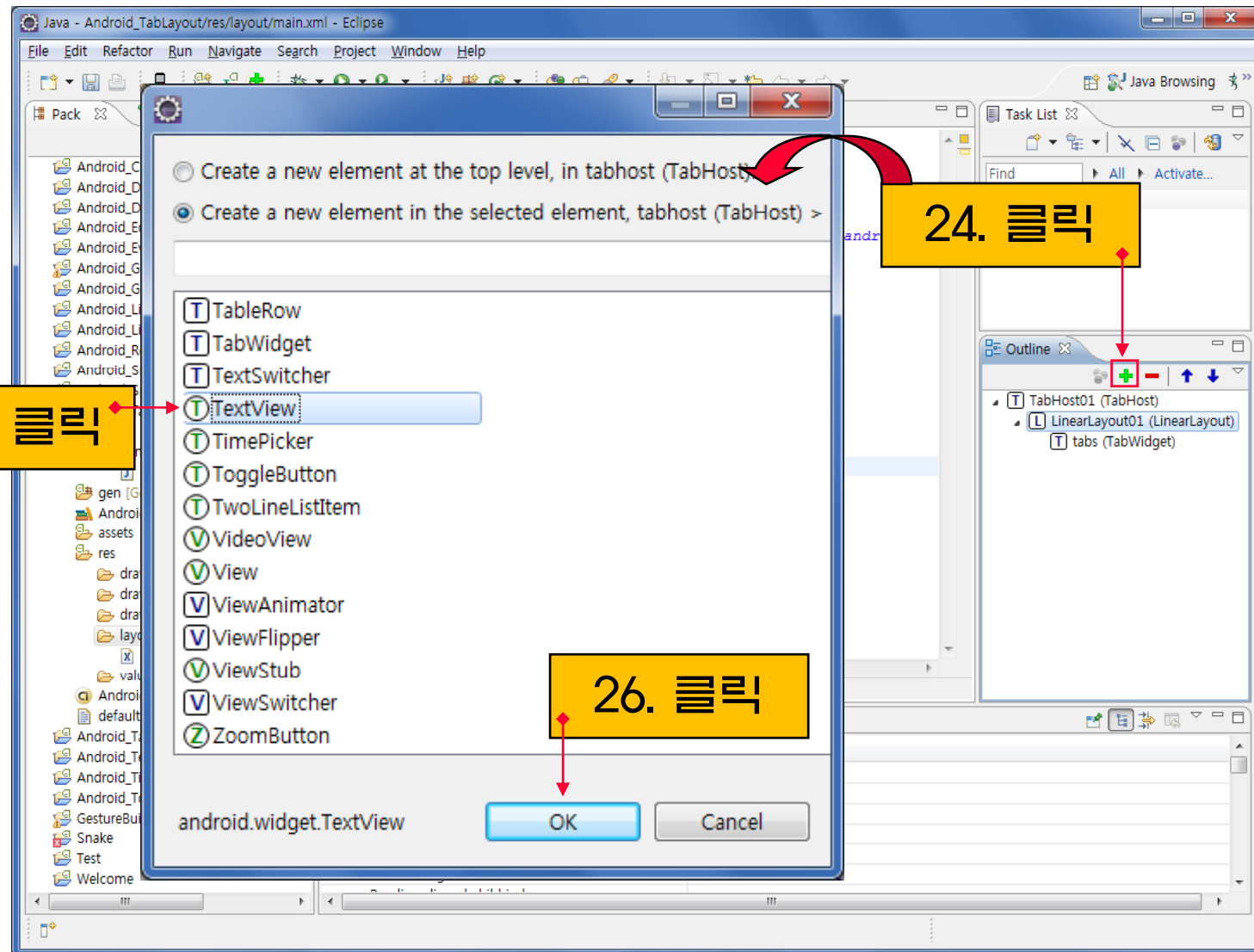
컨트롤	속성 지정
Frame Layout	<ul style="list-style-type: none">• android:id="@android:id/tabcontent"• android:layout_height="fill_parent"• android:layout_width="fill_parent"





Tab Layout 구현 (13)

❖ TextView 01~03 추가





Tab Layout 구현 (14)

❖ TextView 01, 02, 03 속성 지정

컨트롤	속성 지정
TextView01	<ul style="list-style-type: none">• android:id="@+id/TextView01"• android:layout_height="fill_parent"• android:layout_width="fill_parent"• android:text="This is the Artists tab"
TextView02	<ul style="list-style-type: none">• android:id="@+id/TextView02"• android:layout_height="fill_parent"• android:layout_width="fill_parent"• android:text="This is the Albums tab"
TextView03	<ul style="list-style-type: none">• android:id="@+id/TextView03"• android:text="This is the Songs tab"• android:layout_height="fill_parent"• android:layout_width="fill_parent"

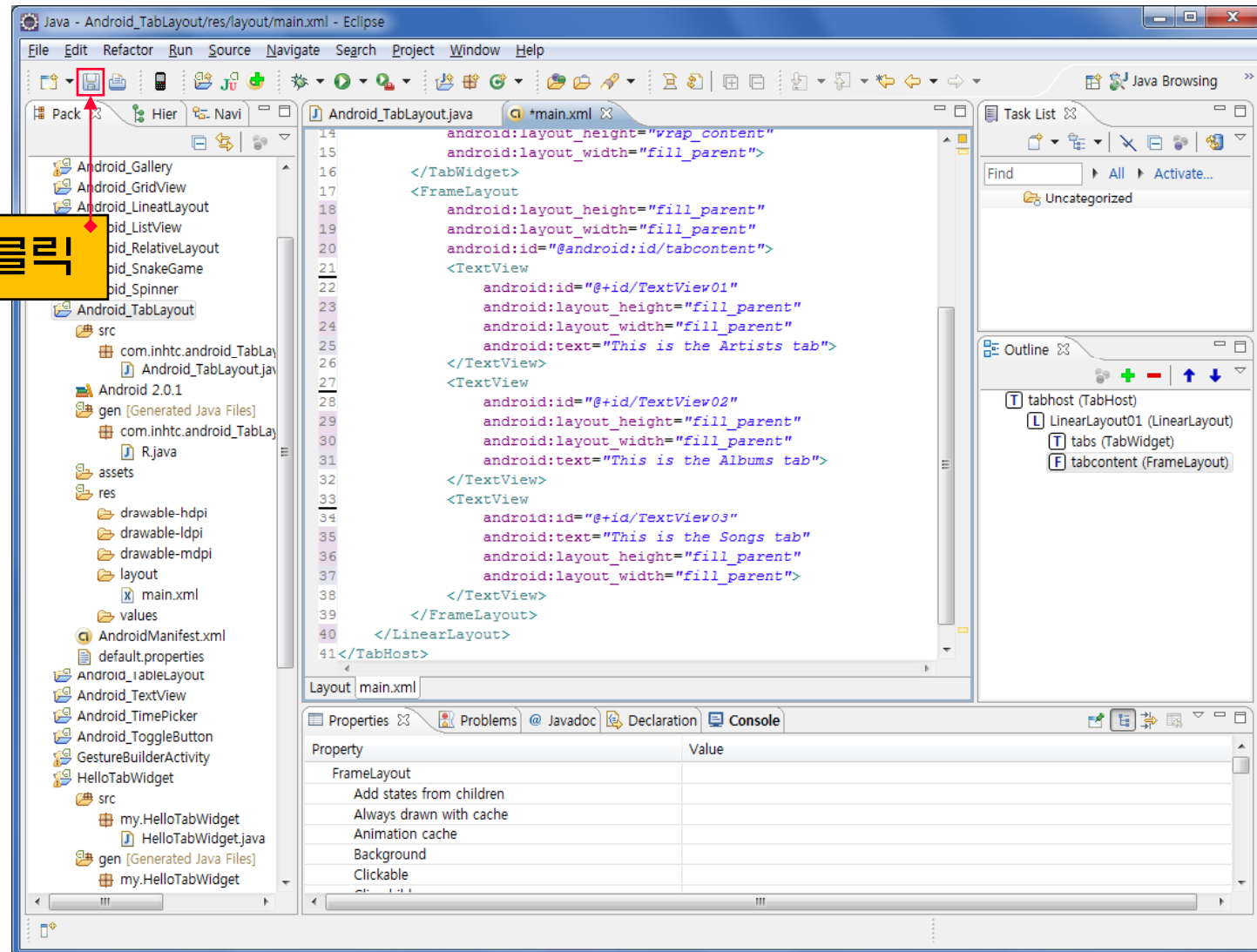




Tab Layout 구현 (15)

❖ Main.xml 저장

27. 클릭





Tab Layout 구현 (16)

❖ Main.xml 저장

28. 클릭

29. 클릭

'main.xml' has been modified. Save changes?

Yes No Cancel

```
19         android:layout_height="wrap_content"
20         android:layout_width="fill_parent">
21     </TabWidget>
22     <FrameLayout
23         android:layout_height="fill_parent"
24         android:layout_width="fill_parent"
25         android:id="@android:id/tabcontent">
26         TextView
27             android:id="@+id/TextView01"
28         </TextView>
29     </FrameLayout>
30 </LinearLayout>
31 </TabHost>
```

Layout main.xml

Property	Value
FrameLayout	
Add states from children	
Always drawn with cache	
Animation cache	
Background	
Clickable	



Tab Layout 구현 (17)

❖ Main.xml

```
*main.xml X
1<?xml version="1.0" encoding="utf-8"?>
2<TabHost
3    android:id="@android:id/tabhost"
4    android:layout_width="fill_parent"
5    android:layout_height="fill_parent"
6    xmlns:android="http://schemas.android.com/apk/res/android">
7    <LinearLayout
8        android:id="@+id/LinearLayout01"
9        android:layout_height="fill_parent"
10       android:layout_width="fill_parent"
11       android:orientation="vertical">
12        <TabWidget
13            android:id="@android:id/tabs"
14            android:layout_height="wrap_content"
15            android:layout_width="fill_parent">
16        </TabWidget>
17        <FrameLayout
18            android:id="@android:id/tabcontent"
19            android:layout_height="fill_parent"
20            android:layout_width="fill_parent">
```

30. XML code 수정 확인





Tab Layout 구현 (18)

```
*main.xml
17 <FrameLayout
18     android:id="@android:id/tabcontent"
19     android:layout_height="fill_parent"
20     android:layout_width="fill_parent">
21     <TextView
22         android:id="@+id/TextView01"
23         android:layout_height="fill_parent"
24         android:layout_width="fill_parent"
25         android:text="This is the Artists tab">
26     </TextView>
27     <TextView
28         android:id="@+id/TextView02"
29         android:layout_height="fill_parent"
30         android:layout_width="fill_parent"
31         android:text="This is the Albums tab">
32     </TextView>
33     <TextView
34         android:id="@+id/TextView03"
35         android:text="This is the Songs tab"
36         android:layout_height="fill_parent"
37         android:layout_width="fill_parent">
38     </TextView>
39 </FrameLayout>
40 </LinearLayout>
41</TabHost>
```

31. XML code 수정 확인



Tab Layout 구현 (19)

❖ R.java

```
R.java x
1+/* AUTO-GENERATED FILE. DO NOT MODIFY.
7
8 package com.inhtc.android_TabLayout;
9
10 public final class R {
11     public static final class attr {
12     }
13     public static final class drawable {
14         public static final int icon=0x7f020000;
15     }
16     public static final class id {
17         public static final int LinearLayout01=0x7f050000;
18         public static final int TextView01=0x7f050001;
19         public static final int TextView02=0x7f050002;
20         public static final int TextView03=0x7f050003;
21     }
22     public static final class layout {
23         public static final int main=0x7f030000;
24     }
25     public static final class string {
26         public static final int app_name=0x7f040001;
27         public static final int hello=0x7f040000;
28     }
29 }
```

32. id 클래스 변수 추가 확인





Tab Layout 구현 (20)

Android_TabLayout.java

```
*Android_TabLayout.java X
1 package com.inhtc.android_TabLayout;
2
3 import android.app.TabActivity;
4 import android.os.Bundle;
5 import android.widget.TabHost;
6
7 public class Android_TabLayout extends TabActivity {
8     TabHost myTabHost = null;    //TabHost 객체 선언
9     TabHost.TabSpec spec;        //TabSpec 객체 선언
10
11     /** Called when the activity is first created. */
12     @Override
13     public void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.main);
16
17         myTabHost = getTabHost();
18         //Tab 추가
19         spec = myTabHost.newTabSpec("Artists").
20             setIndicator("Artists").setContent(R.id.TextView01);
21         myTabHost.addTab(spec);
22         spec = myTabHost.newTabSpec("Albums").
23             setIndicator("Albums").setContent(R.id.TextView02);
24         myTabHost.addTab(spec);
25         spec = myTabHost.newTabSpec("Songs").
26             setIndicator("Songs").setContent(R.id.TextView03);
27         myTabHost.addTab(spec);
28         myTabHost.setCurrentTab(0); //첫번째 Tab 지정
29     }
30 }
```

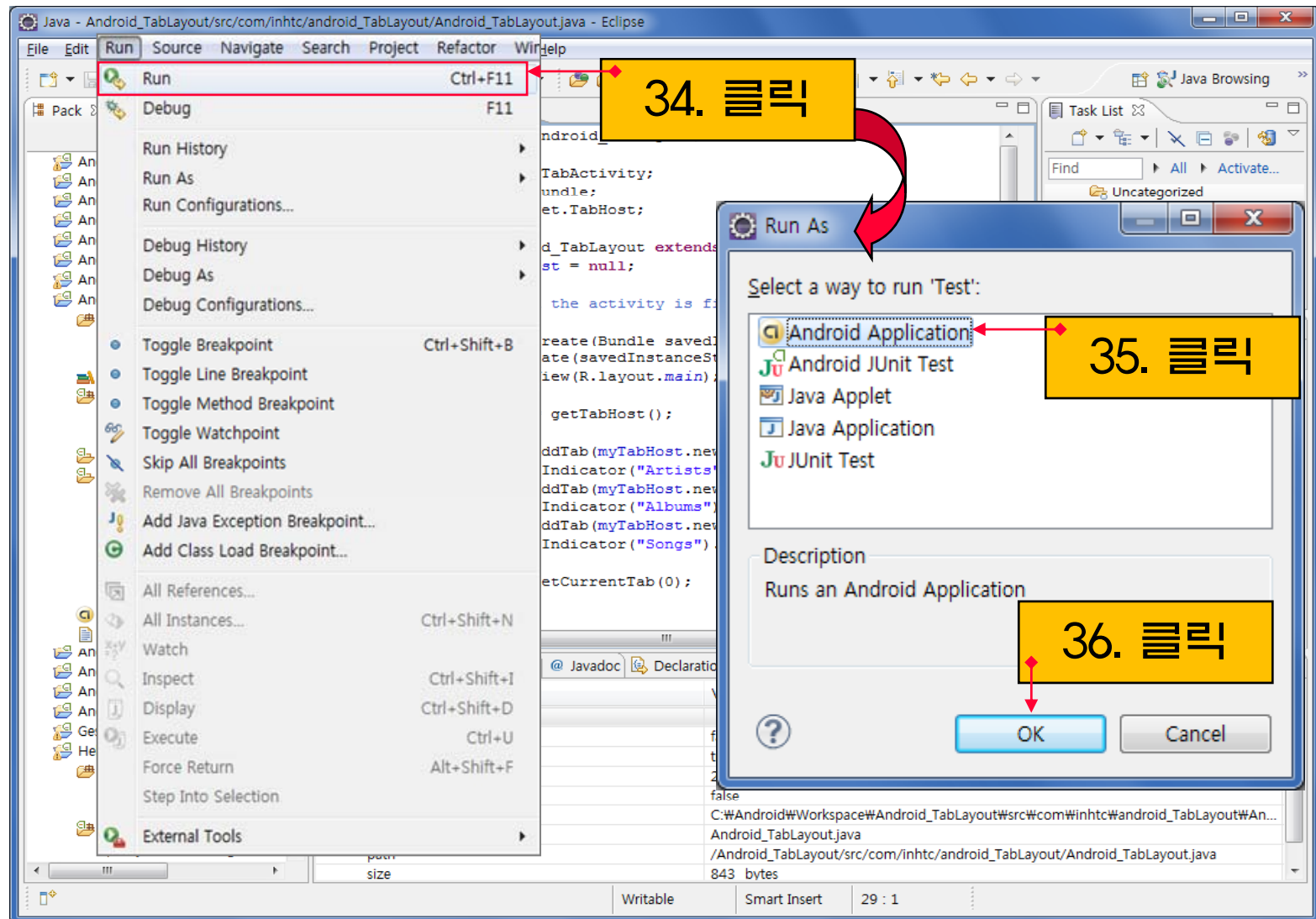
33. Coding





Tab Layout 구현 (21)

❖ Android 프로젝트 실행





Tab Layout 구현 (22)

실행 결과





실습 3 : Tab Layout 구현 (1)

■ Android_TabLayout 프로젝트 (실습 시간 : 30분)

❖ 아래 그림과 같이 각 Tab에 image Icon을 추가하시오.

◆ 단계 1 : /res/drawable-hdpi/ 폴더에 Icon image 추가

◆ 단계 2 : Android_TabLayout.java 파일 수정

◆ 단계 3 : AndroidManifest.xml 파일 수정





실습 3 : Tab Layout 구현 (2)

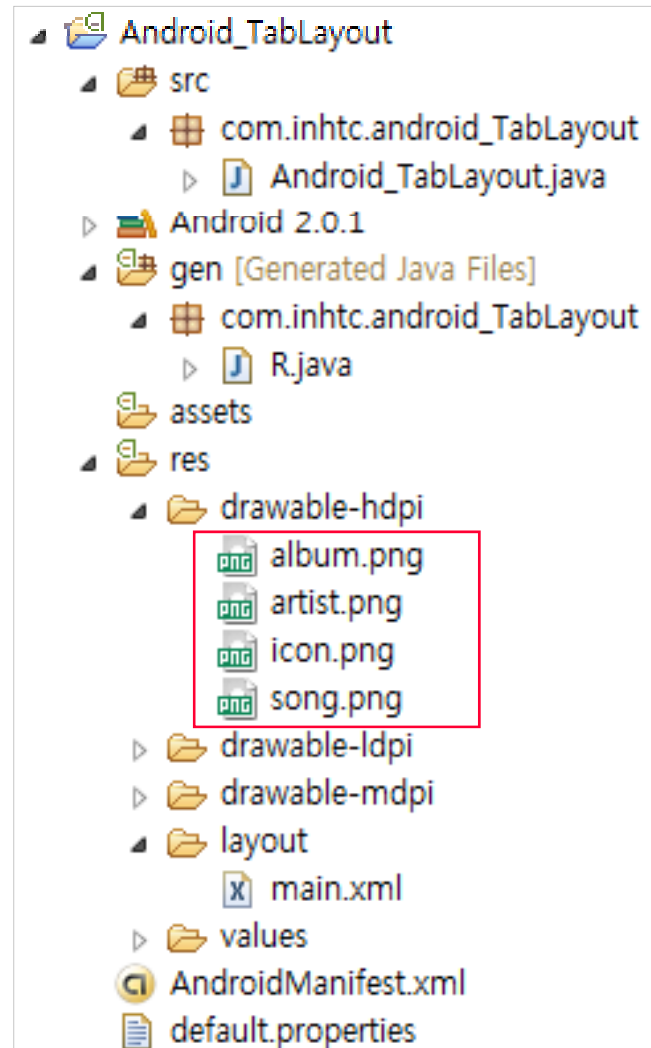
■ Image Icon 추가

❖ res/drawable-hdpi 폴더에 추가

◆ album.png

◆ artist.png

◆ song.png





실습 3 : Tab Layout 구현 (3)

■ Android_TabLayout.java 파일 수정

```
*Android_TabLayout.java X
1 package com.inhtc.android_TabLayout;
2
3 import android.app.TabActivity;
4 import android.graphics.drawable.Drawable;
5 import android.os.Bundle;
6 import android.widget.TabHost;
7
8 public class Android_TabLayout extends TabActivity {
9     TabHost myTabHost = null;    //TabHost 객체 선언
10    TabHost.TabSpec spec;         //TabSpec 객체 선언
11    Drawable imgIcon = null;      //Drawable 객체 선언
12}
```





실습 3 : Tab Layout 구현 (4)

```
*Android_TabLayout.java X
13  /** Called when the activity is first created. */
14  @Override
15  public void onCreate(Bundle savedInstanceState) {
16      super.onCreate(savedInstanceState);
17      setContentView(R.layout.main);
18
19      myTabHost = getTabHost();
20
21      //Tab 추가
22      imgIcon = getResources().getDrawable(R.drawable.artist);
23      spec = myTabHost.newTabSpec("Artists").
24          setIndicator("Artists", imgIcon).setContent(R.id.TextView01);
25      myTabHost.addTab(spec);
26
27      imgIcon = getResources().getDrawable(R.drawable.album);
28      spec = myTabHost.newTabSpec("Albums").
29          setIndicator("Albums", imgIcon).setContent(R.id.TextView02);
30      myTabHost.addTab(spec);
31
32      imgIcon = getResources().getDrawable(R.drawable.song);
33      spec = myTabHost.newTabSpec("Songs").
34          setIndicator("Songs", imgIcon).setContent(R.id.TextView03);
35      myTabHost.addTab(spec);
36      myTabHost.setCurrentTab(0); //첫번째 Tab 지정
37  }
38 }
```



실습 3 : Tab Layout 구현 (5)

■ AndroidManifest.xml 수정

```
*Android_TabLayout Manifest
1<?xml version="1.0" encoding="utf-8"?>
2<manifest xmlns:android="http://schemas.android.com/apk/res/android"
3    package="com.inhtc.android_TabLayout"
4    android:versionCode="1"
5    android:versionName="1.0">
6    <application android:icon="@drawable/icon" android:label="@string/app_name">
7        <activity
8            android:name=".Android_TabLayout"
9            android:label="@string/app_name"
10           android:theme="@android:style/Theme.NoTitleBar">
11            <intent-filter>
12                <action android:name="android.intent.action.MAIN" />
13                <category android:name="android.intent.category.LAUNCHER" />
14            </intent-filter>
15        </activity>
16    </application>
17    <uses-sdk android:minSdkVersion="6" />
18
19
20</manifest>
```





실습 3 : Tab Layout 구현 (6)

■ 결과





학습 요약

- Relative Layout 구현
- Table Layout 구현
- Tab Layout 구현



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