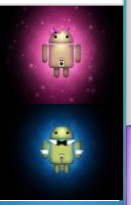
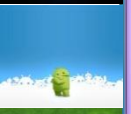
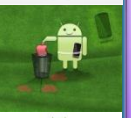
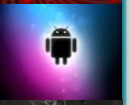
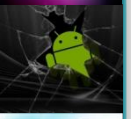
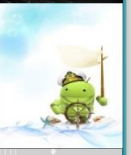
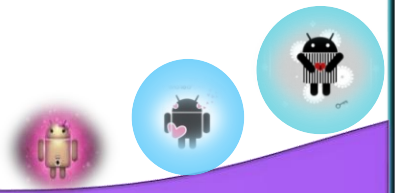




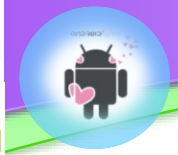


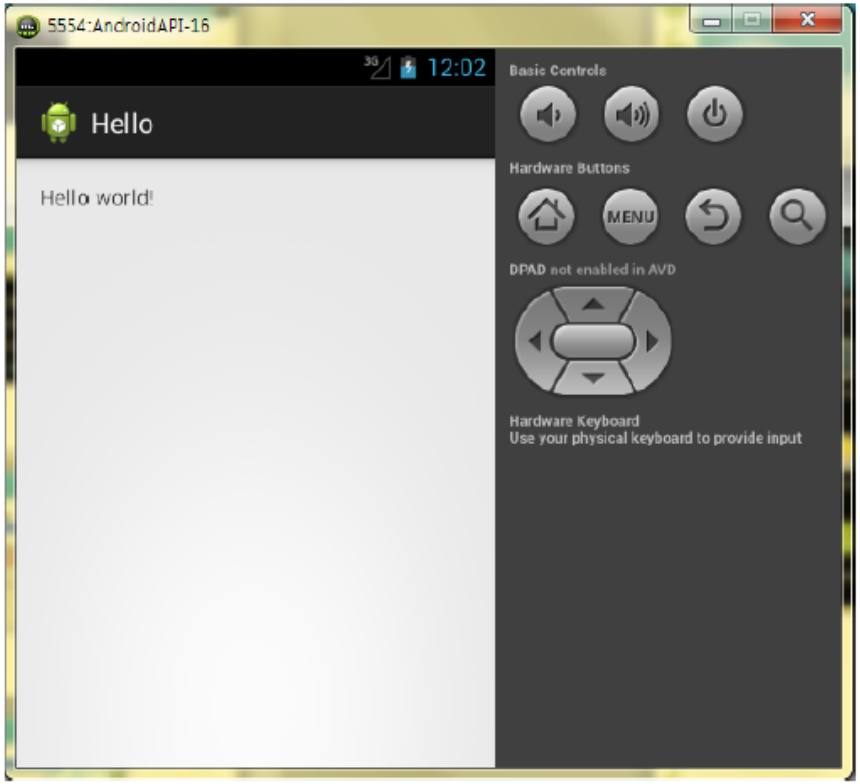
안드로이드 구성

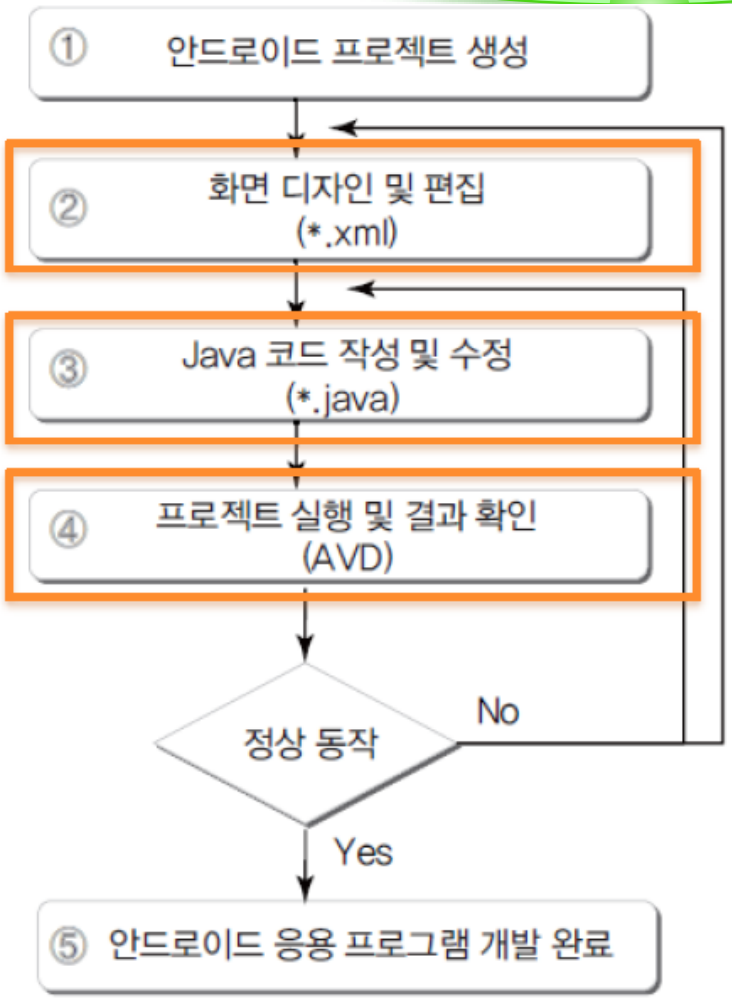
구성 내용



- 프로젝트 만들기
- 자동 생성 소스 분석
- 프로그램 구조 및 사용자 인터페이스
- AVD 명칭과 사용법
- 유용한 기능

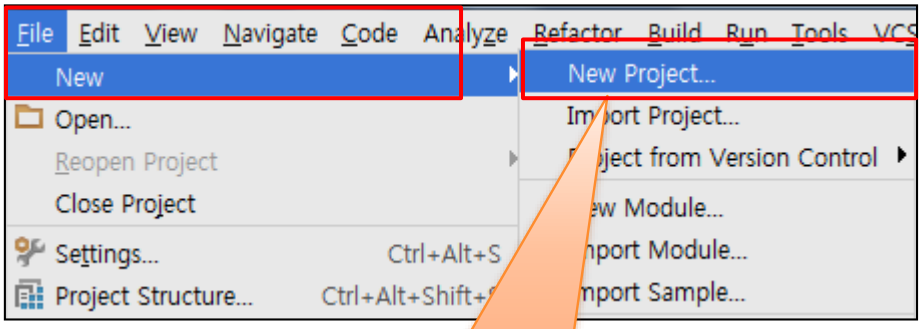
프로젝트 만들기



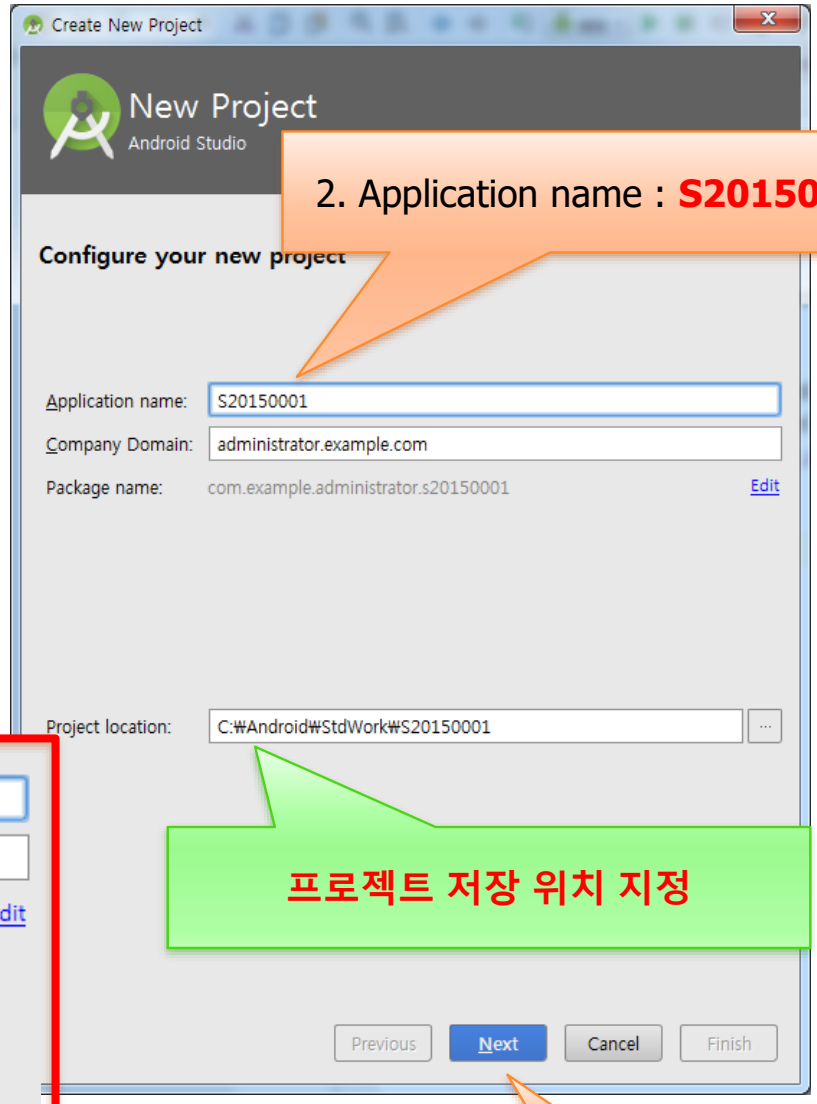


「안드로이드 프로젝트 개발 단계」

프로젝트 만들기

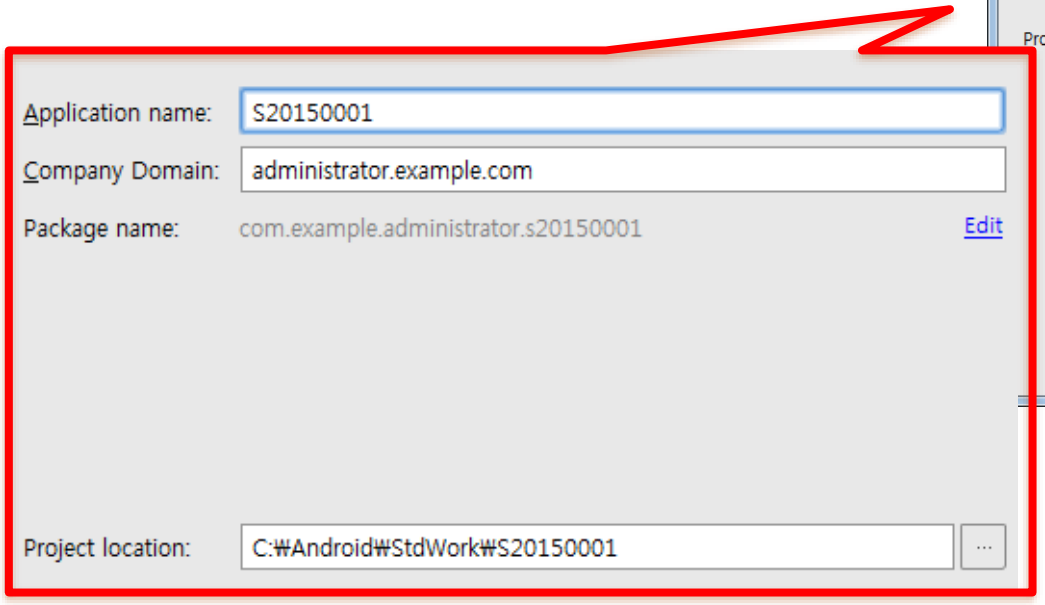


1. [File]→[New]→[New Project…]



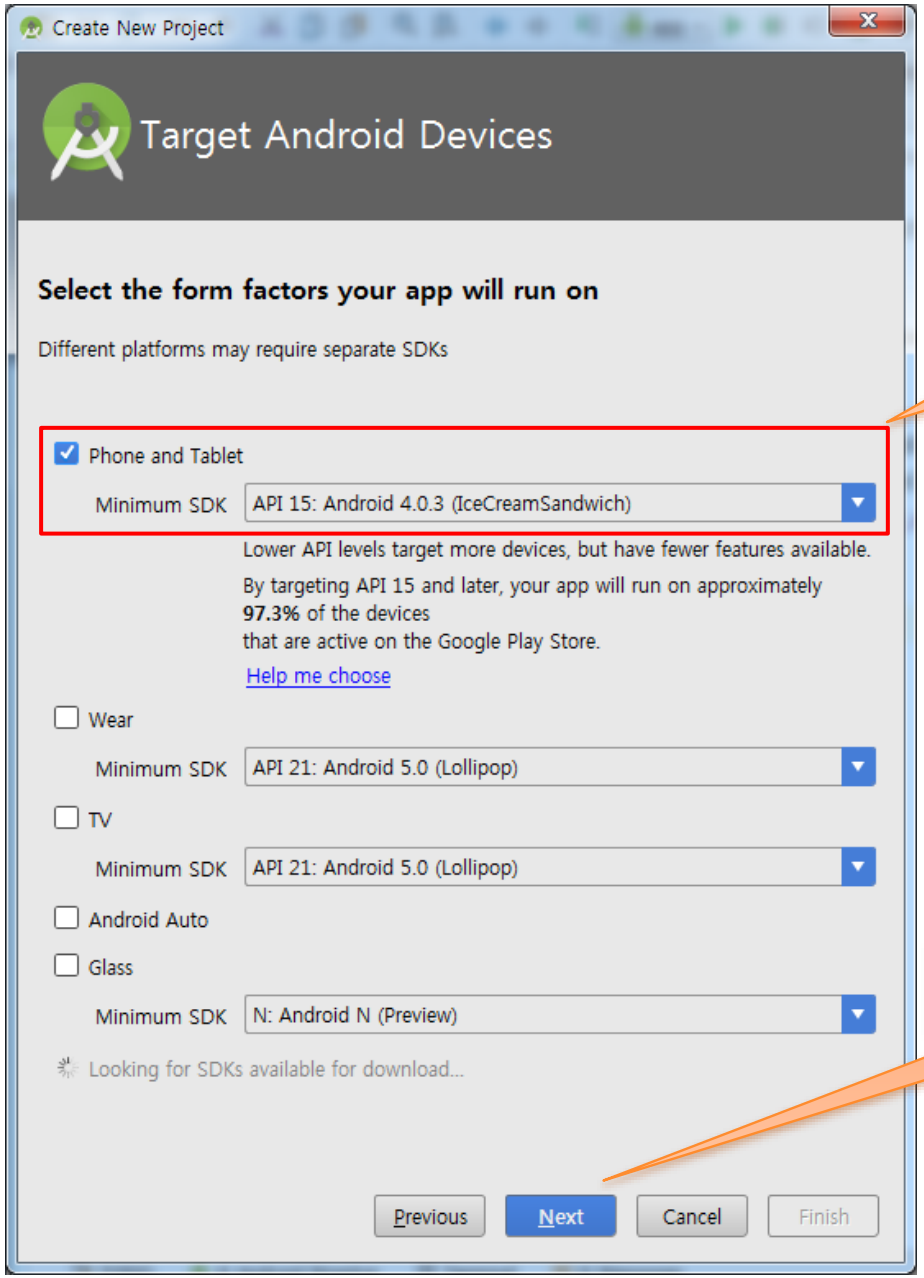
2. Application name : **S20150001**

프로젝트 저장 위치 지정



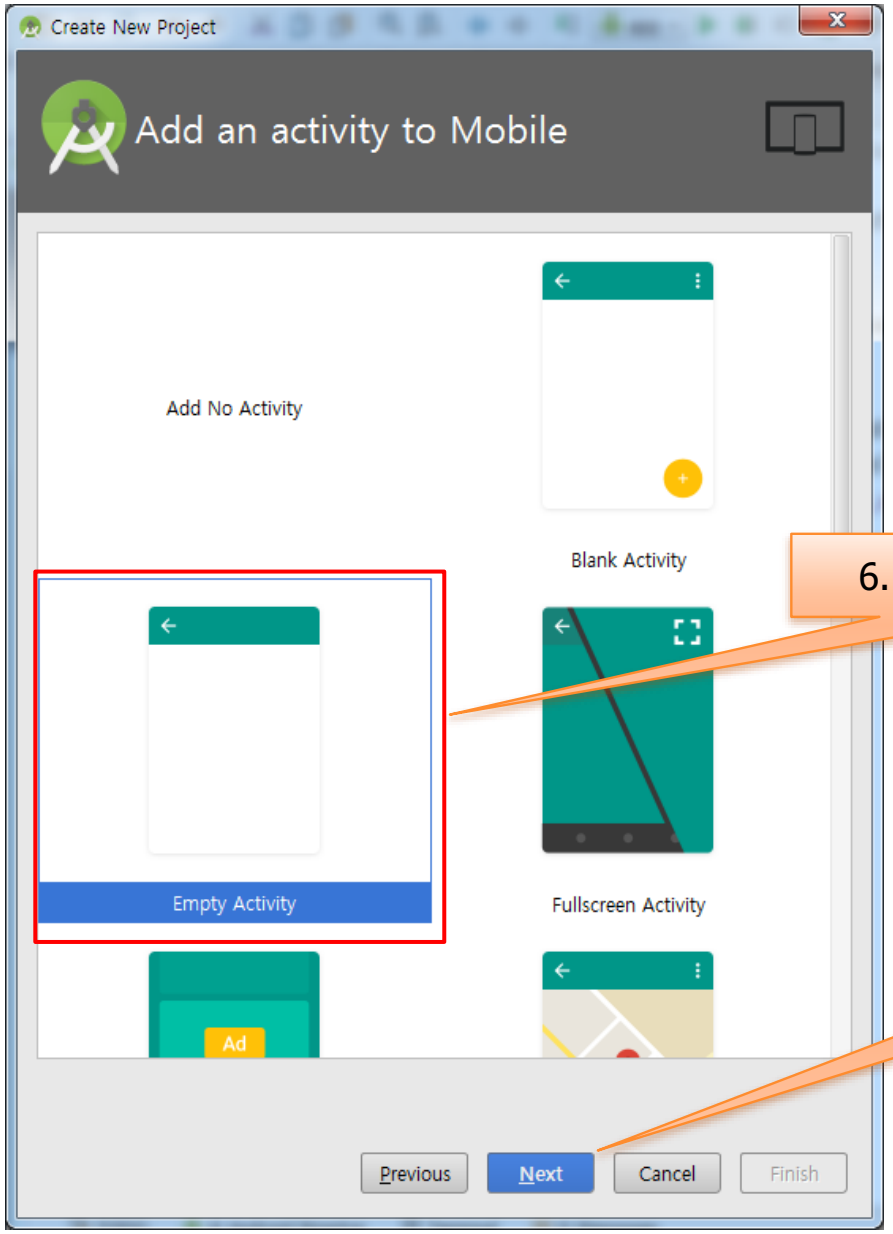
3. 클릭

- Application Name: 사용자에게 보이는 애플리케이션 이름
- Company Domain: 프로젝트를 홈페이지 주소와 같이 소속 및 그룹을 구분할 수 있도록 관리
- Package Name: 애플리케이션이 속하는 패키지 이름 패키지는 여러 클래스를 저장하는 박스, 패키지 이름은 충돌을 방지하기 위해 개발자의 인터넷 도메인 주소를 역순으로 입력하는 것은 권장
- Minimum SDK: 애플리케이션이 실행될 수 있는 타깃 장치의 최소 SDK 버전



4. 개발한 앱이 작동될 안드로이드 최소 버전 지정

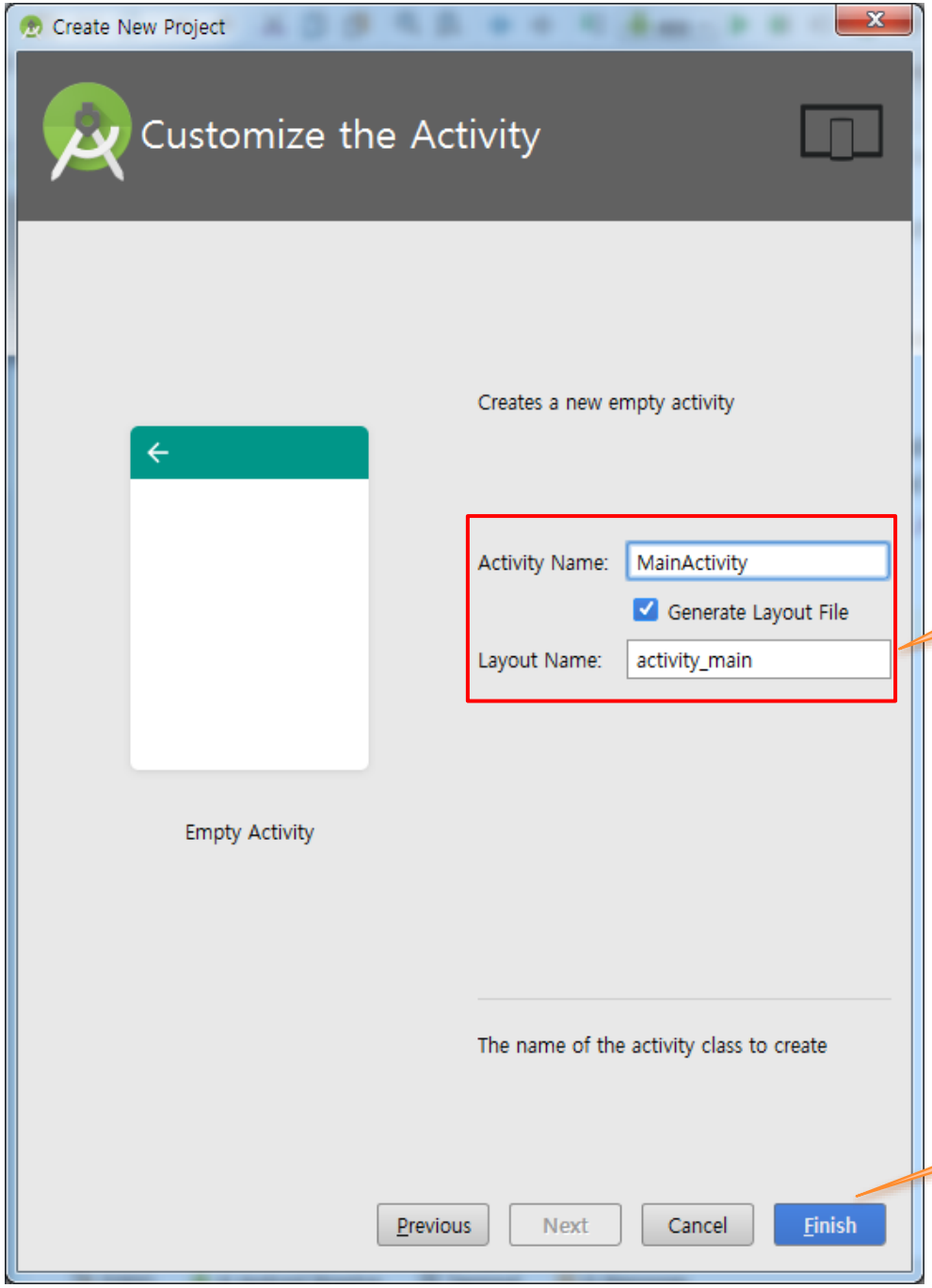
5. 클릭



6. "Empty Activity" 선택

7. 클릭

프로젝트 만들기

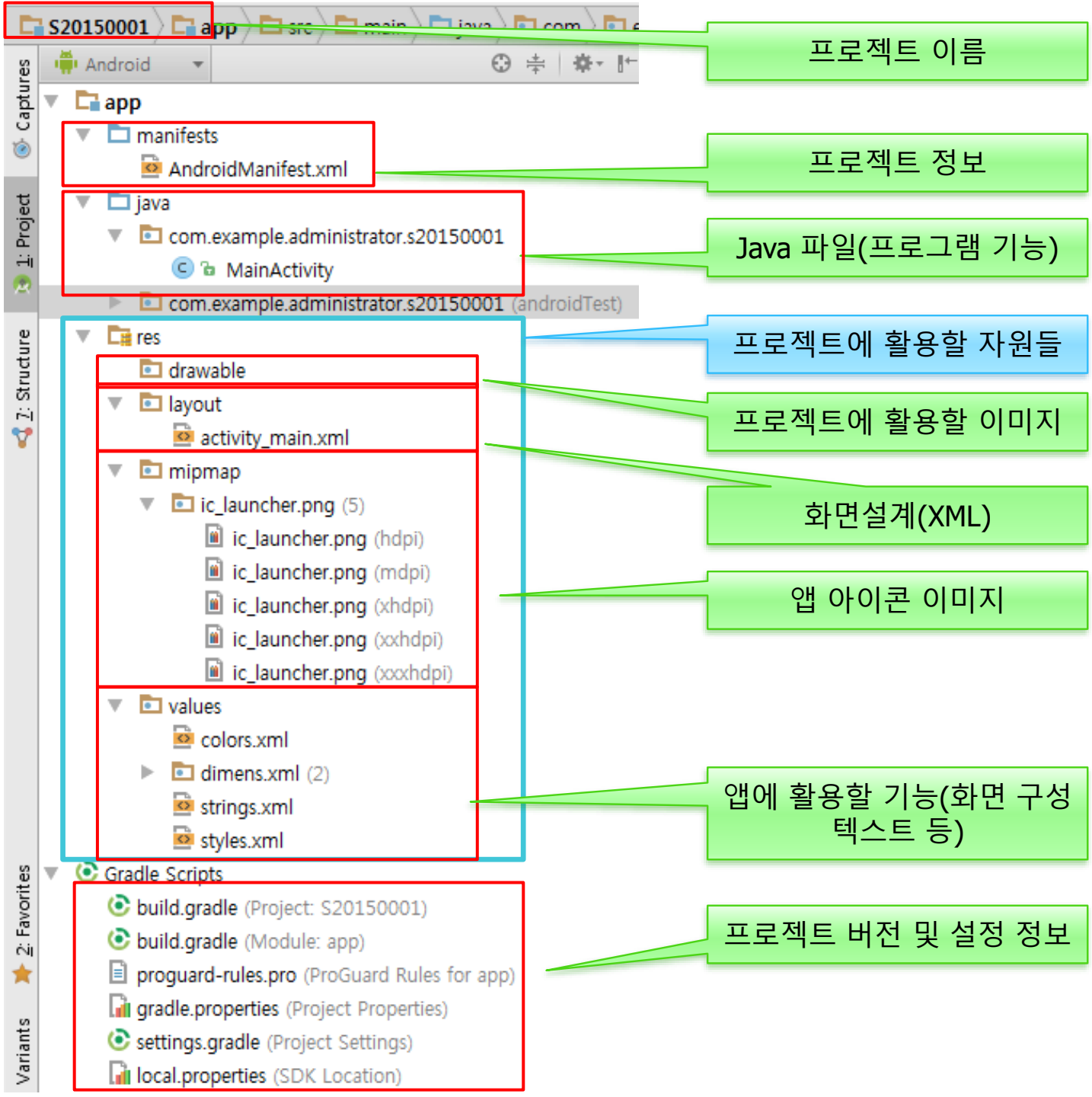


8. 파일명 지정

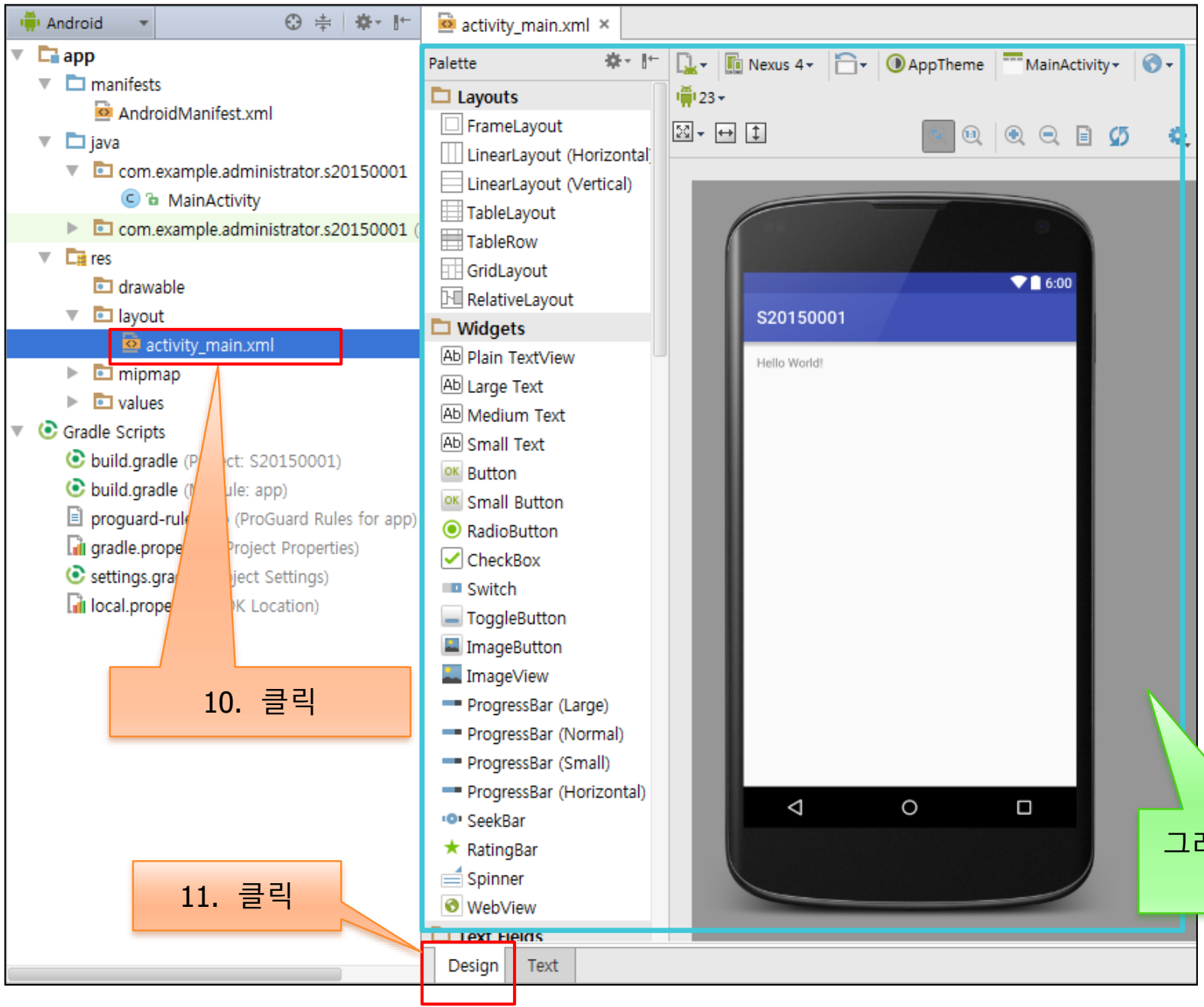
Activity Name : MainActivity

Layout Name : actiivity_main

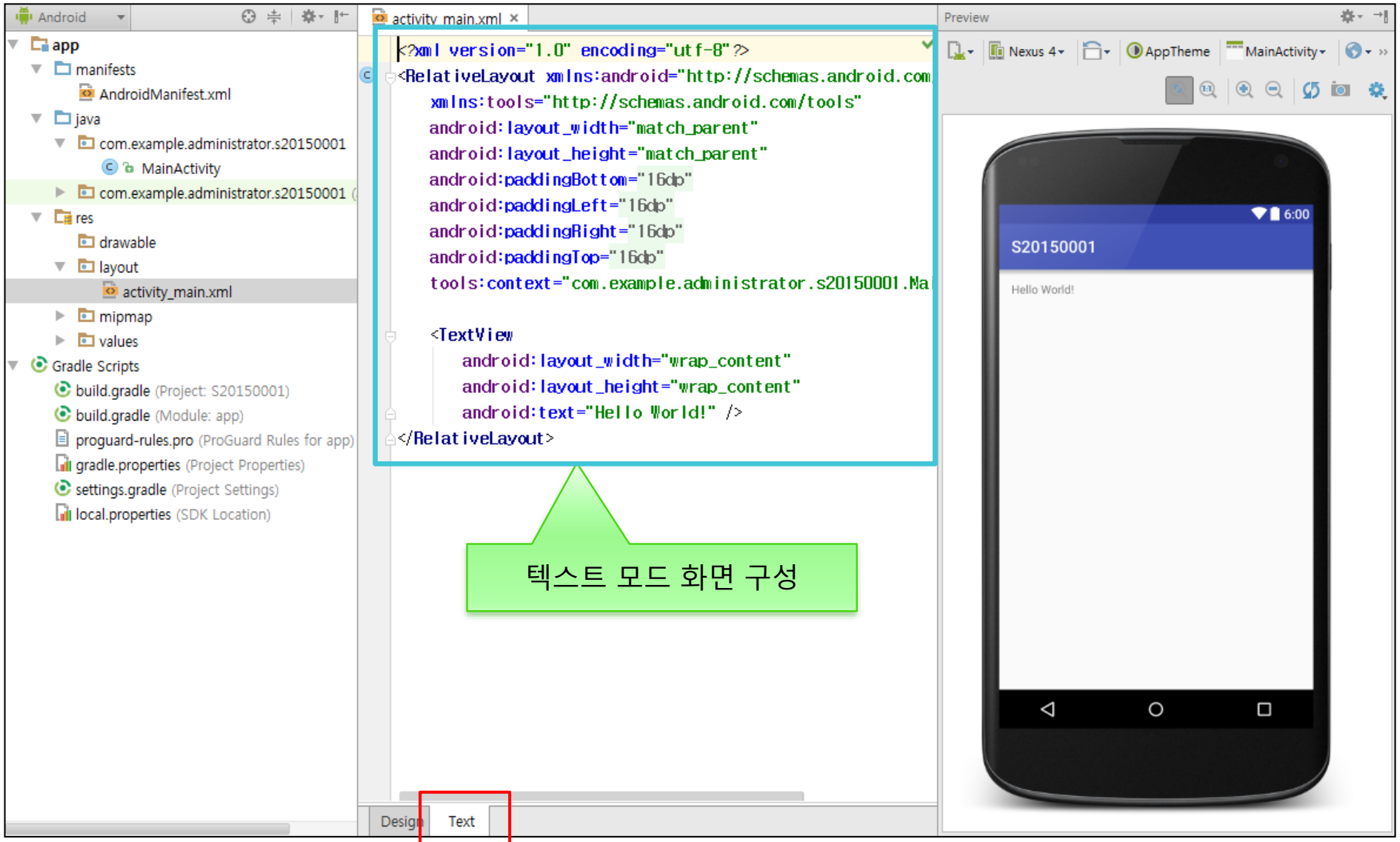
9. 클릭


S20150001
app
Android
app
manifests
AndroidManifest.xml
java
com.example.administrator.s20150001
MainActivity
com.example.administrator.s20150001 (androidTest)
res
drawable
layout
activity_main.xml
mipmap
ic_launcher.png (5)
ic_launcher.png (hdpi)
ic_launcher.png (mdpi)
ic_launcher.png (xhdpi)
ic_launcher.png (xxhdpi)
ic_launcher.png (xxxhdpi)
values
colors.xml
dimens.xml (2)
strings.xml
styles.xml
Gradle Scripts
build.gradle (Project: S20150001)
build.gradle (Module: app)
proguard-rules.pro (ProGuard Rules for app)
gradle.properties (Project Properties)
settings.gradle (Project Settings)
local.properties (SDK Location)
프로젝트 이름
프로젝트 정보
Java 파일(프로그램 기능)
프로젝트에 활용할 자원들
프로젝트에 활용할 이미지
화면설계(XML)
앱 아이콘 이미지
앱에 활용할 기능(화면 구성 텍스트 등)
프로젝트 버전 및 설정 정보

화면 구성


Android
app
manifests
AndroidManifest.xml
java
com.example.administrator.s20150001
MainActivity
com.example.administrator.s20150001
res
drawable
layout
activity_main.xml
mipmap
values
Gradle Scripts
activity_main.xml
Palette
Layouts
FrameLayout
LinearLayout (Horizontal)
LinearLayout (Vertical)
TableLayout
TableRow
GridLayout
RelativeLayout
Widgets
Plain TextView
Large Text
Medium Text
Small Text
Button
Small Button
RadioButton
CheckBox
Switch
ToggleButton
ImageButton
ImageView
ProgressBar (Large)
ProgressBar (Normal)
ProgressBar (Small)
ProgressBar (Horizontal)
SeekBar
RatingBar
Spinner
WebView
Nexus 4
AppTheme
MainActivity
23
6:00
S20150001
Hello World!
Design
Text
10. 클릭
11. 클릭
그래픽 모드 화면 구성

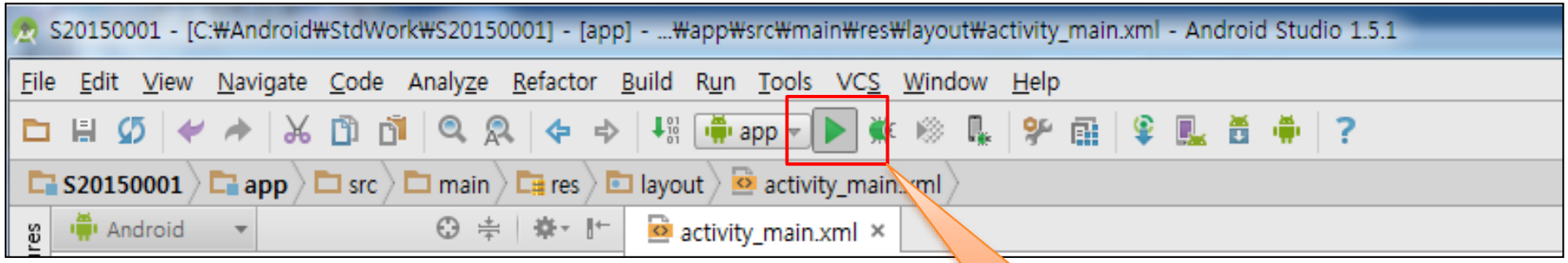
화면 구성



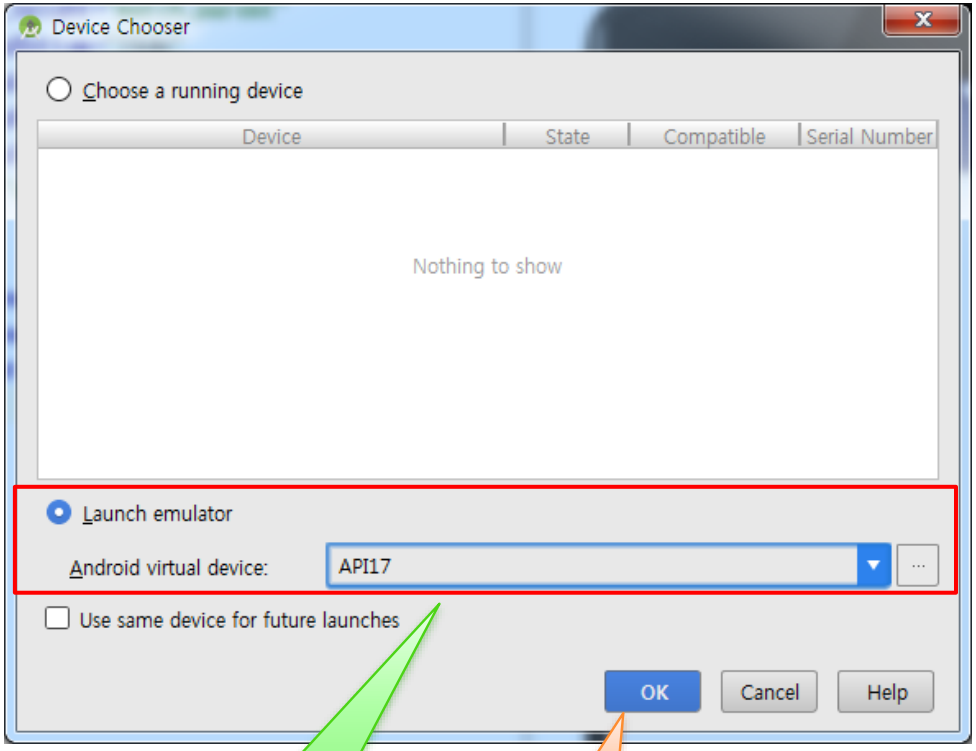
텍스트 모드 화면 구성

12. 클릭

실행

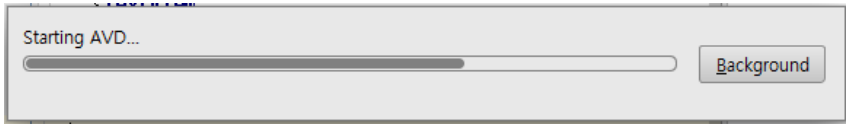


13. 클릭

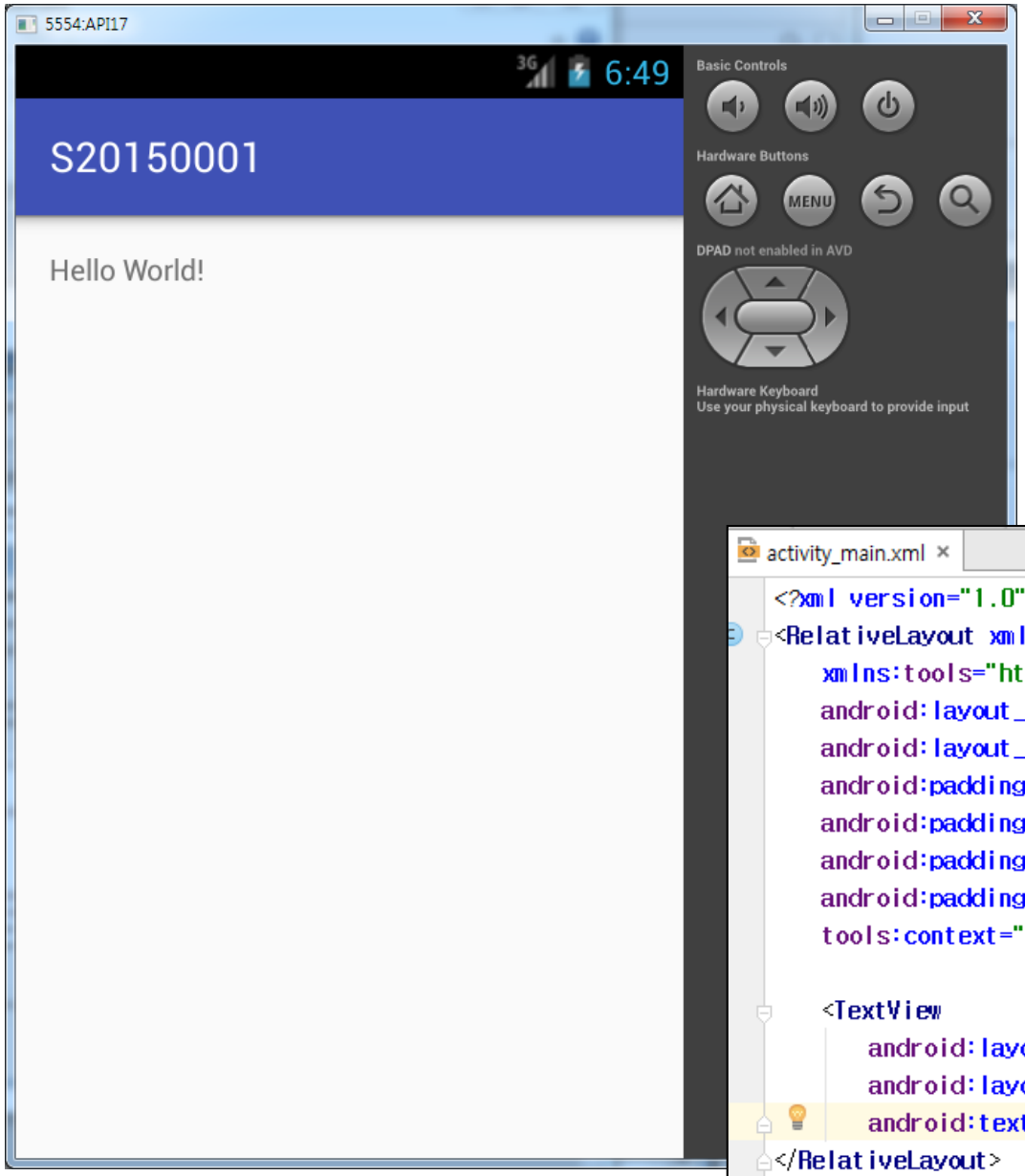


실행시킬 AVD 지정

14. 클릭



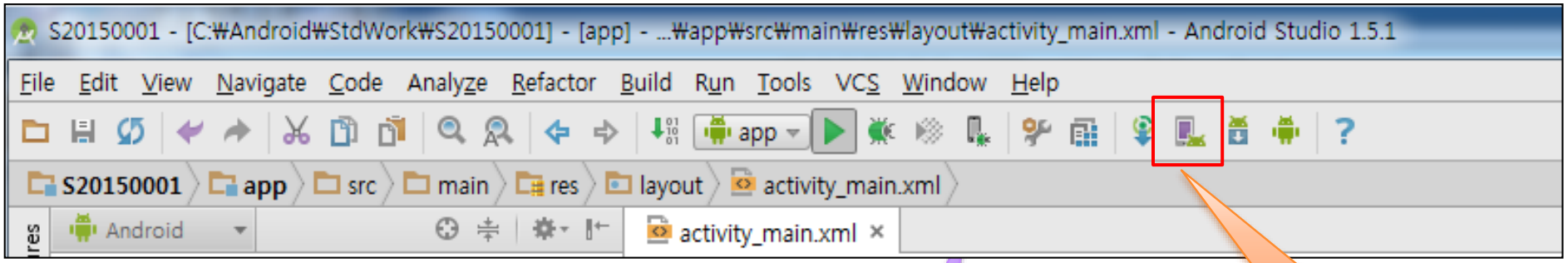
실행 화면



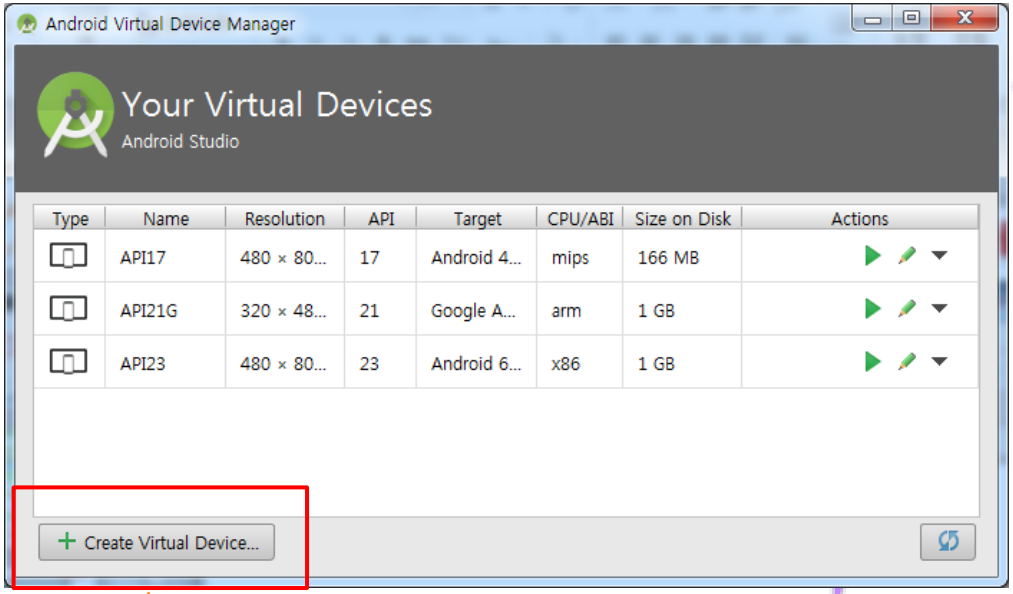
activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="16dp"
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
    android:paddingTop="16dp"
    tools:context="com.example.administrator.s20150001.MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!" />
</RelativeLayout>
```

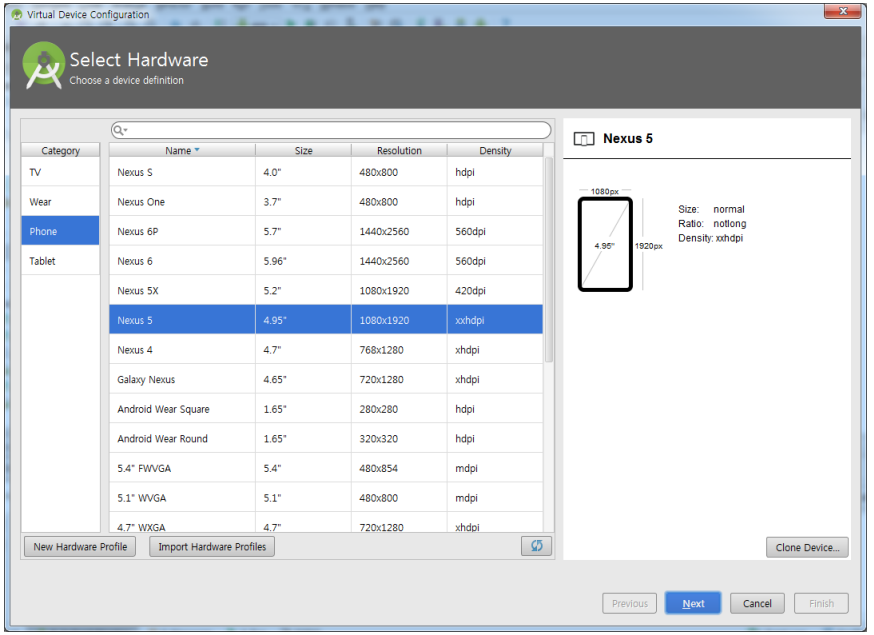
AVD 추가 및 설정



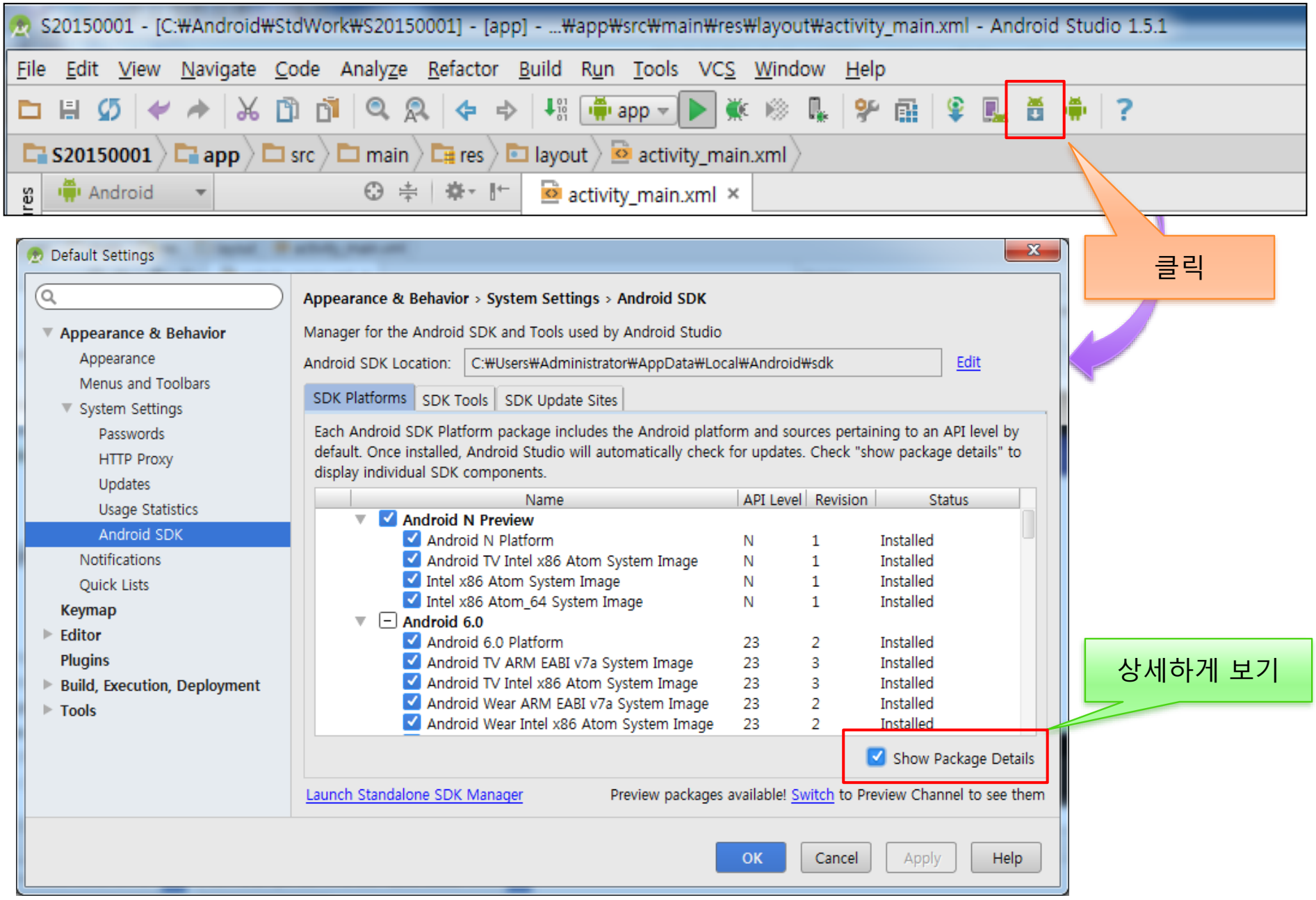
클릭



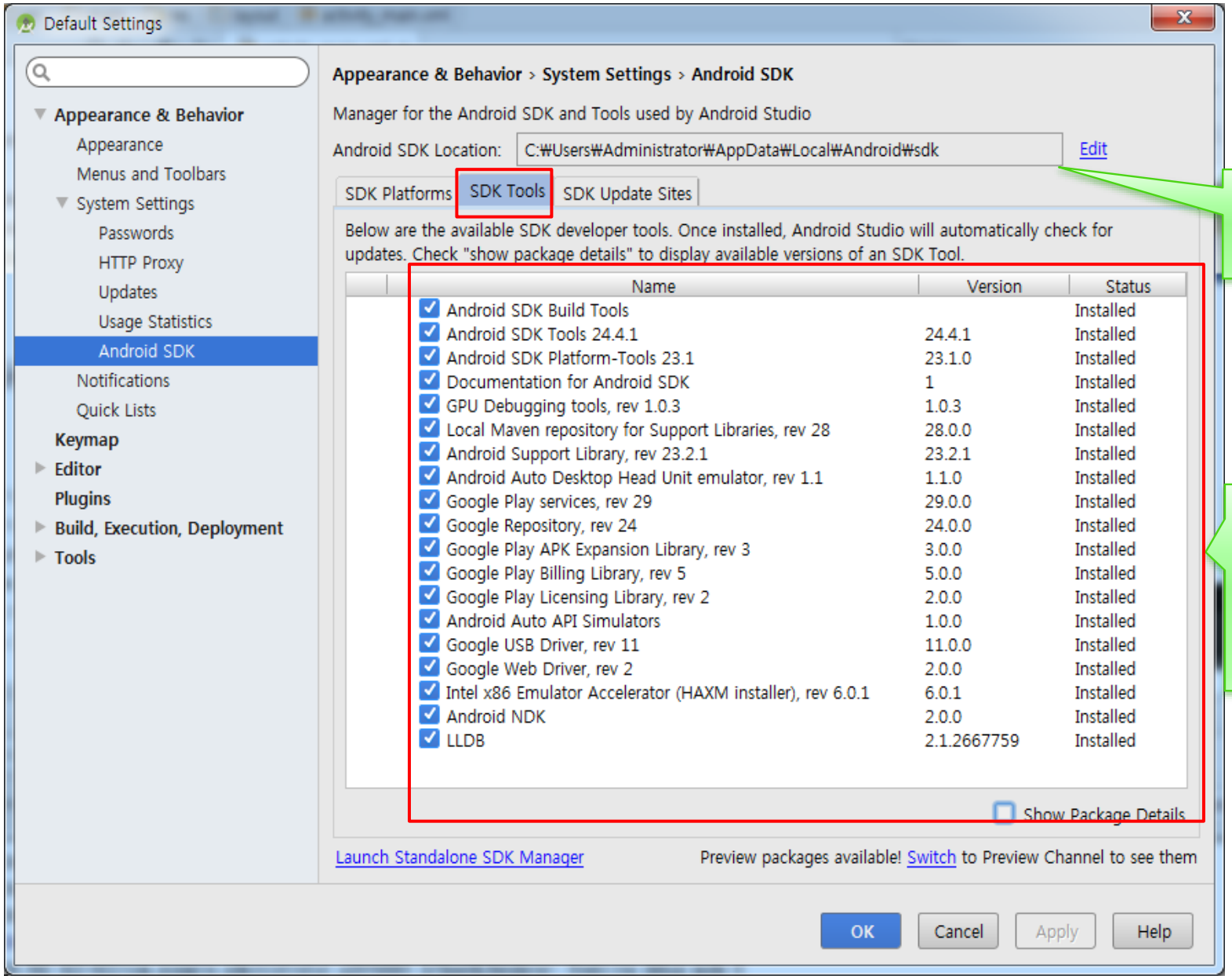
클릭



SDK 추가 및 설정


S20150001 - [C:₩Android₩StdWork₩S20150001] - [app] - ...₩app₩src₩main₩res₩layout₩activity_main.xml - Android Studio 1.5.1
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
app
S20150001 app src main res layout activity_main.xml
Android
activity_main.xml
클릭
Default Settings
Appearance & Behavior
Appearance
Menus and Toolbars
System Settings
Passwords
HTTP Proxy
Updates
Usage Statistics
Android SDK
Notifications
Quick Lists
Keymap
Editor
Plugins
Build, Execution, Deployment
Tools
Appearance & Behavior › System Settings › Android SDK
Manager for the Android SDK and Tools used by Android Studio
Android SDK Location: C:₩Users₩Administrator₩AppData₩Local₩Android₩sdk
Edit
SDK Platforms
SDK Tools
SDK Update Sites
Each Android SDK Platform package includes the Android platform and sources pertaining to an API level by default. Once installed, Android Studio will automatically check for updates. Check "show package details" to display individual SDK components.
Name
API Level
Revision
Status
Android N Preview
Android N Platform N 1 Installed
Android TV Intel x86 Atom System Image N 1 Installed
Intel x86 Atom System Image N 1 Installed
Intel x86 Atom_64 System Image N 1 Installed
Android 6.0
Android 6.0 Platform 23 2 Installed
Android TV ARM EABI v7a System Image 23 3 Installed
Android TV Intel x86 Atom System Image 23 3 Installed
Android Wear ARM EABI v7a System Image 23 2 Installed
Android Wear Intel x86 Atom System Image 23 2 Installed
Show Package Details
상세하게 보기
Launch Standalone SDK Manager
Preview packages available! Switch to Preview Channel to see them
OK
Cancel
Apply
Help

SDK 추가 및 설정



안드로이드 SDK 저장위치

안드로이드 프로그래밍 및 SDK 운영에 필요한 유틸리티

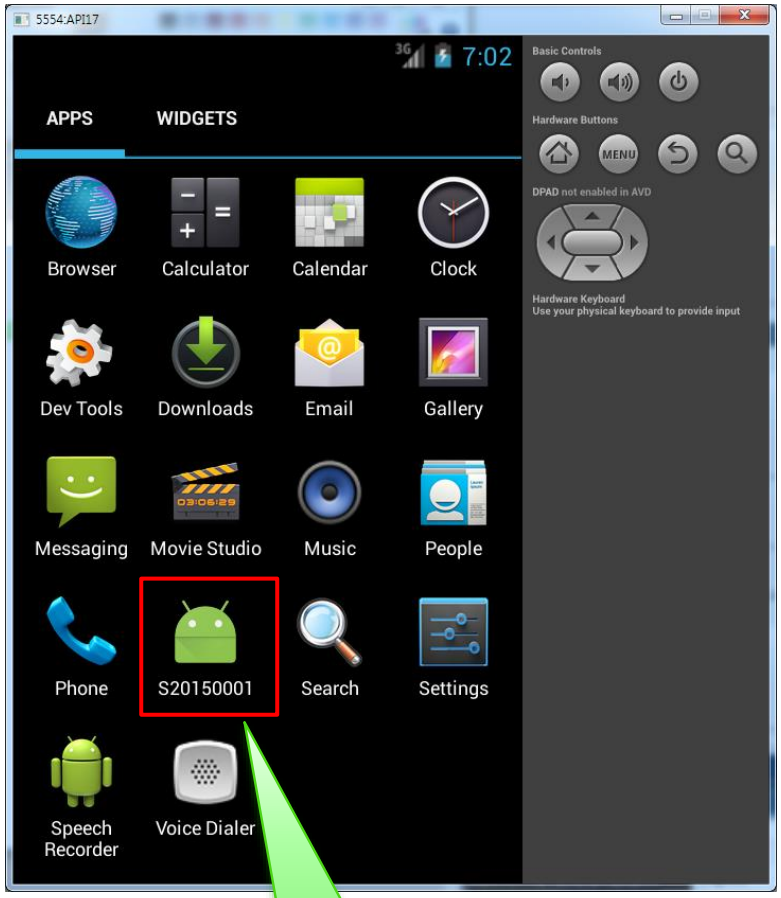
애뮬레이터


5554:API17
7:01
Google
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input

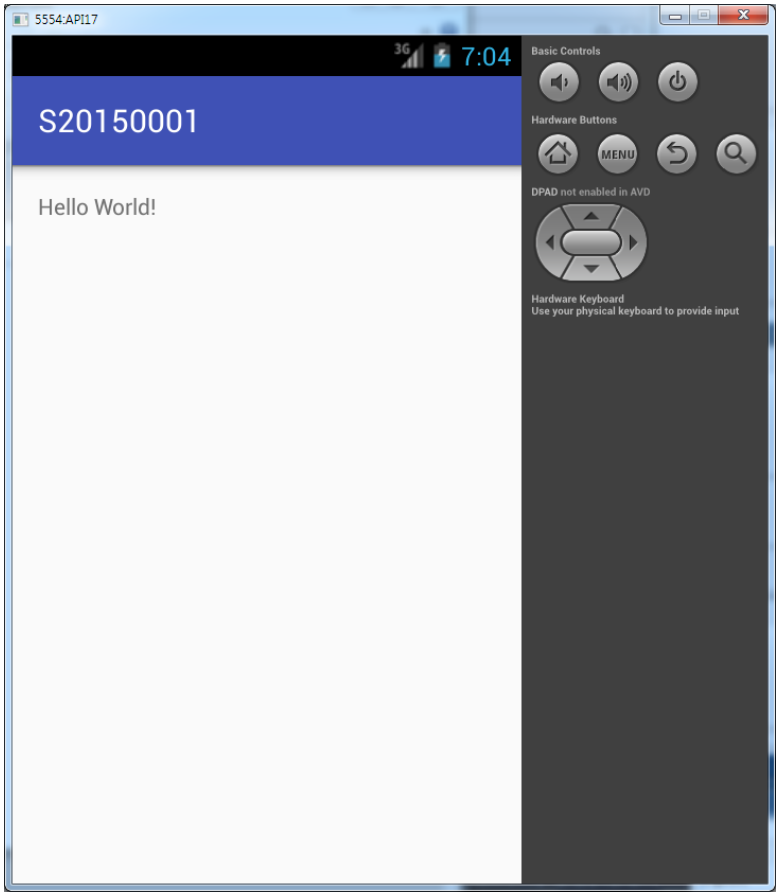
홈 화면

메뉴


5554:API17
7:02
APPS
WIDGETS
Browser
Calculator
Calendar
Clock
Dev Tools
Downloads
Email
Gallery
Messaging
Movie Studio
Music
People
Phone
S20150001
Search
Settings
Speech Recorder
Voice Dialer
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input

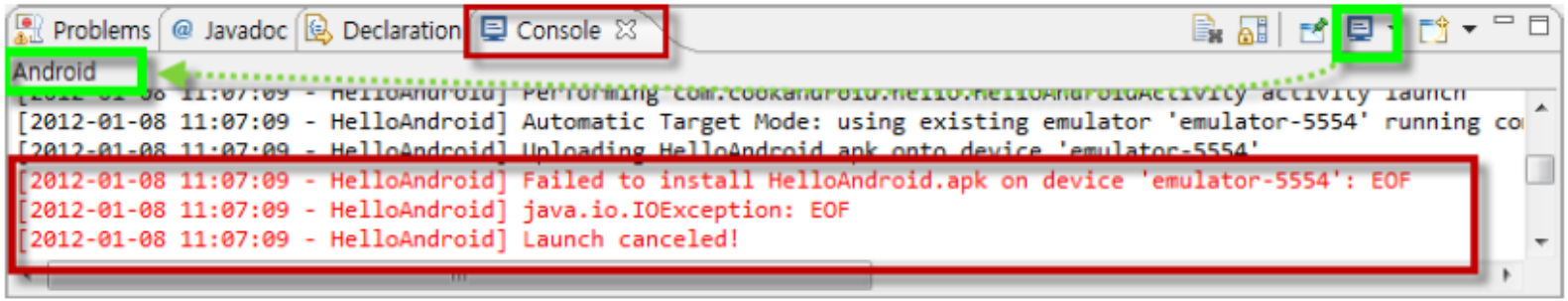

5554:API17
7:02
APPS
WIDGETS
Browser
Calculator
Calendar
Clock
Dev Tools
Downloads
Email
Gallery
Messaging
Movie Studio
Music
People
Phone
S20150001
Search
Settings
Speech Recorder
Voice Dialer
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input

클릭하여 실행


5554:API17
7:04
S20150001
Hello World!
Basic Controls
Hardware Buttons
MENU
DPAD not enabled in AVD
Hardware Keyboard
Use your physical keyboard to provide input

Tip. 오류처리

(참고) 프로젝트가 AVD를 인식하지 않을 때 조치법



① 프로젝트를 다시 실행해 본다.

② AVD를 종료한 후, 다시 실행해 본다.

③ AVD를 삭제하고 다시 만들어 본다.

④ 낮은(다른) 버전으로 개발한다.

Tip. 오류처리

(참고) AVD 오류 메시지의 종류와 조치법

- You may want to manually restart adb from the Devices view.

  → 프로젝트를 다시 실행

- emulator-5554 disconnected! Cancelling '패키지이름.액티비티이름 activity launch'!

  →먼저 모든 AVD를 닫은 후에 다시 프로젝트를 실행

- could not get wglGetExtensionsStringARB

  → 경고 수준. 무시해도 됨

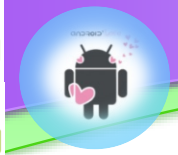
- Launch Cancelled

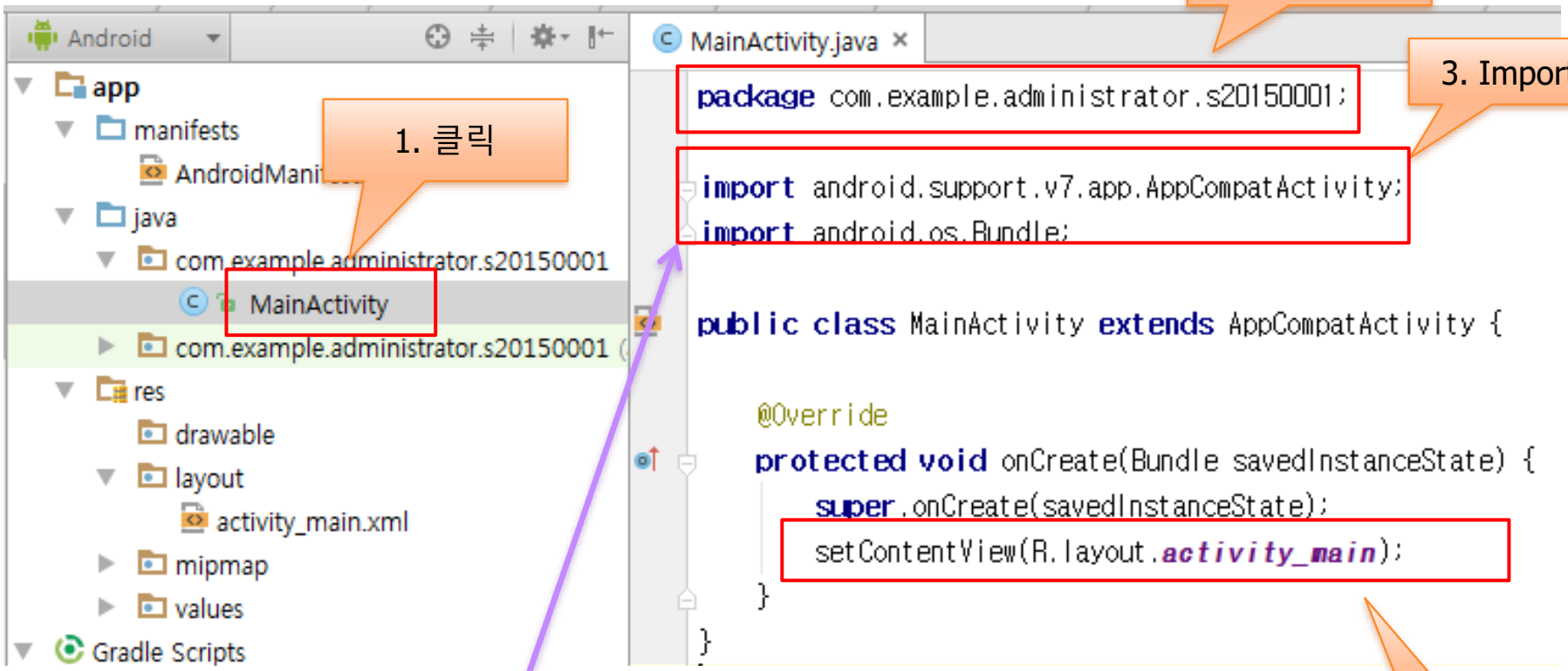
  → AVD를 그냥 두고, 다시 프로젝트를 실행

- AVD는 가동되고, Starting activity 패키지이름.액티비티이름 on device emulator-5554에서 한동안 멈춘 상태

  → AVD를 그냥 두고, 다시 프로젝트를 실행

프로그래밍 구조

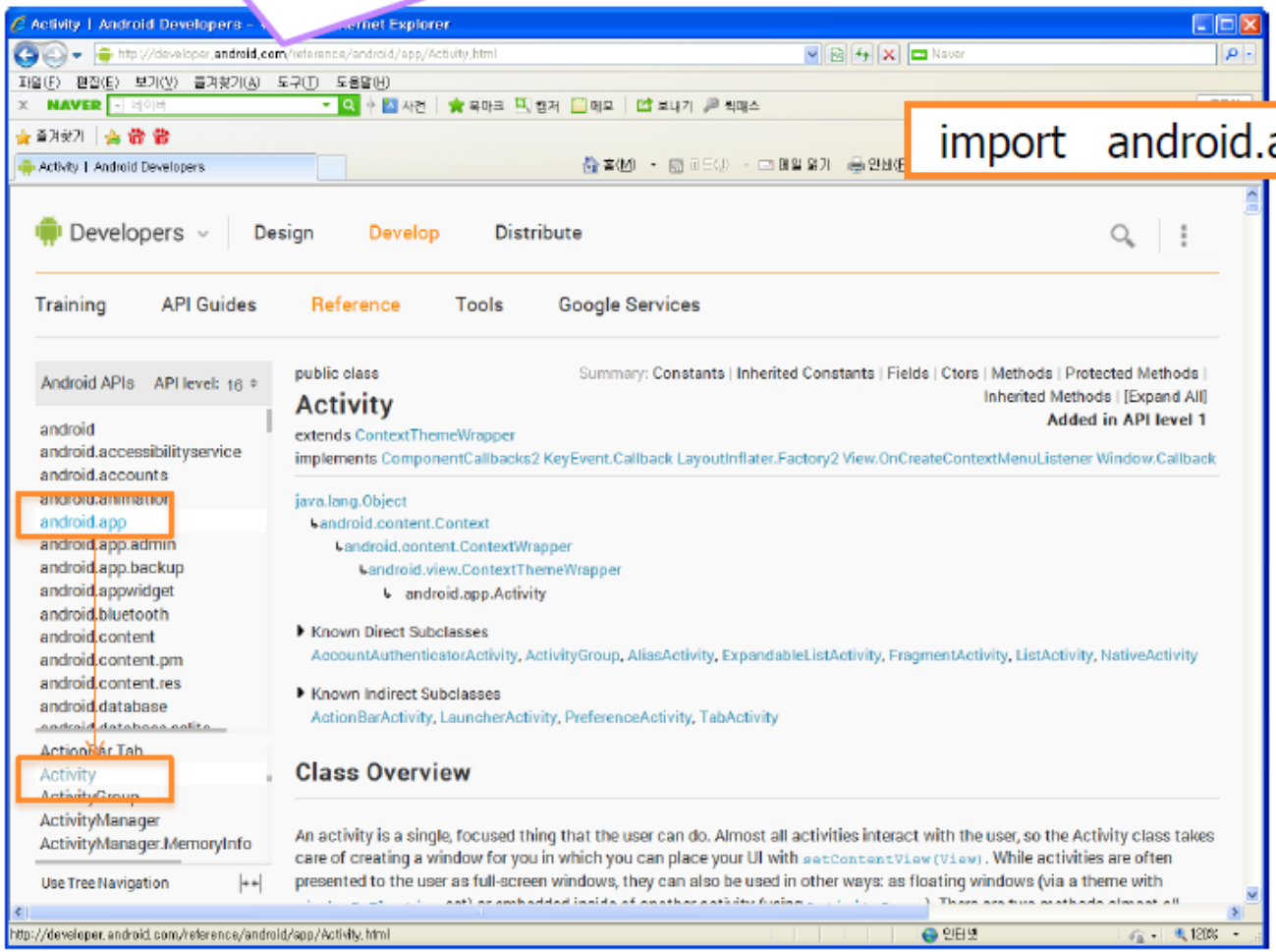




import 문장은 외부에서 패키지나 클래스를 포함

안드로이드 리퍼런스

http://developer.android.com/reference/packages.html




```
import android.app.Activity;
```

자동코드 분석

- public class MainActivity **extends** AppCompatActivity { ... }
- 클래스의 정의
- **Activity로부터 상속받았으므로 액티비티가 된다.**
- **액티비티는** 안드로이드에서 애플리케이션을 구성하는 컴포넌트이다.

액티비티는 화면을 통하여 사용자와 상호작용하는 활동을 의미한다.

```
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

자동코드 분석

@Override

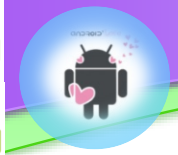
- 어노테이션의 하나
- 어노테이션은 컴파일러에게 추가적인 정보를 주는 것
- @Override은 메소드가 부모 클래스의 메소드를 재정의(오버라이드)하였다는 것을 나타낸다.

public void onCreate() { ... }

- onCreate() 메소드는 액티비티가 생성되는 순간에 딱 한번 호출
- 모든 초기화와 사용자 인터페이스 설정이 여기에 들어간다.

```
public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
```

자동코드 분석



- 안드로이드 애플리케이션의 실행이 시작되는 곳
  - 안드로이드에는 main()이 없음.
  - 액티비티별로 실행된다.
  - 액티비티 중에서는 ***onCreate()*** 메소드가 가장 먼저 실행된다.

자동코드 분석

- 사용자 인터페이스 기술
  - 사용자 인터페이스 작성 방법
    - 코드를 사용하는 방법(기존의 자바)
    - XML을 사용하는 방법(안드로이드 선호 방법)
  - 안드로이드에서는 UI 화면의 구성을 XML을 이용하여서 선언적으로 나타내는 방법을 선호
    - 애플리케이션의 외관과 애플리케이션의 Logic을 서로 분리
    - 빠르게 UI를 구축

자동코드 분석

일반적인 애플리케이션 작성 절차

① 사용자 인터페이스 작성(XML) — 화면 설계

② 자바 코드 작성(JAVA) — 기능 설계

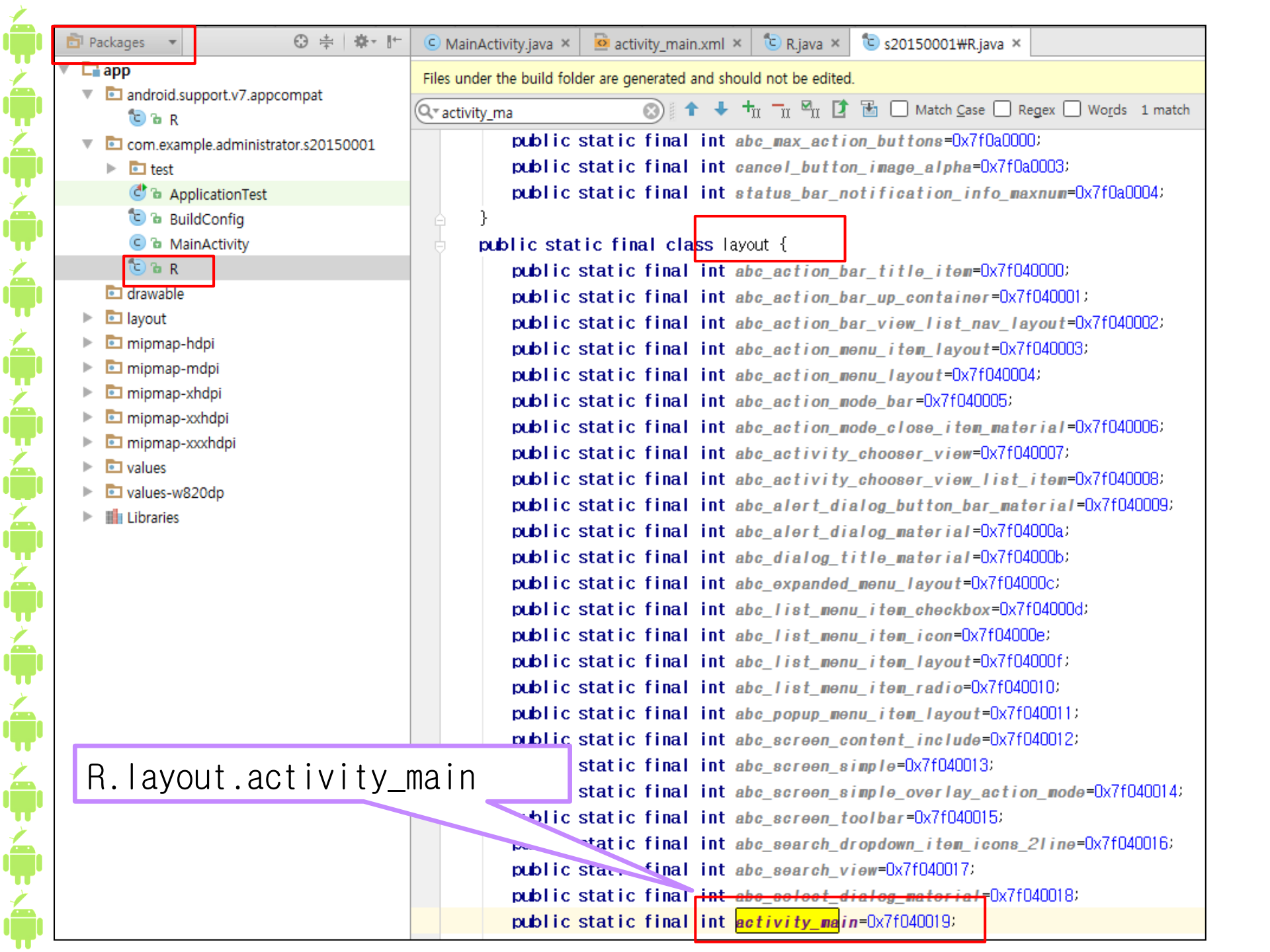
③ 매니페스트 파일 작성(XML) — 필요에 따라 작동 환경 설계

XML을 이용한 사용자 인터페이스 작성

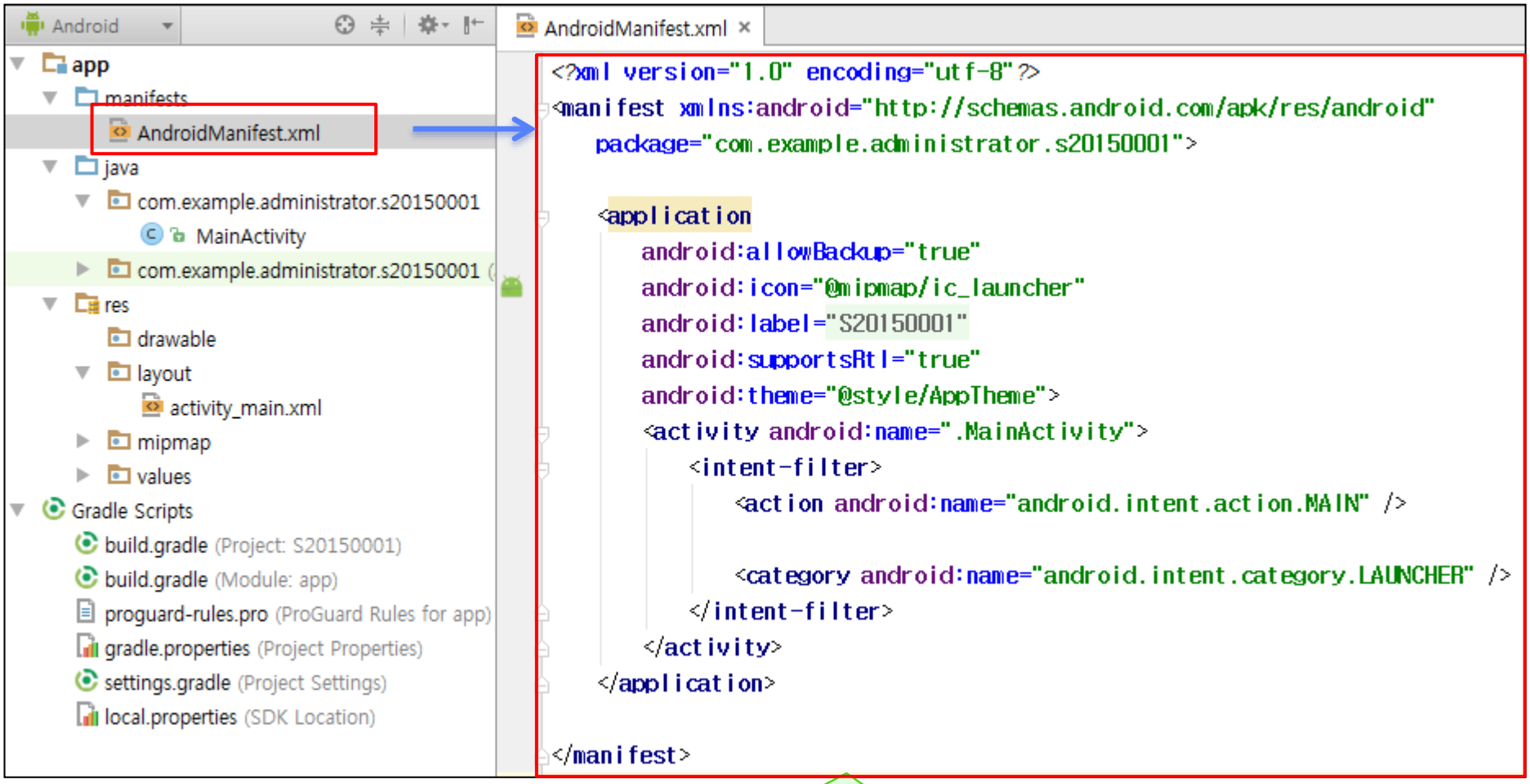
- 앞에서 코드로 작성하였던 UI를 XML로 표현하면

```
TextView tv = new TextView(this);

tv.setText("Hello, world!");
```

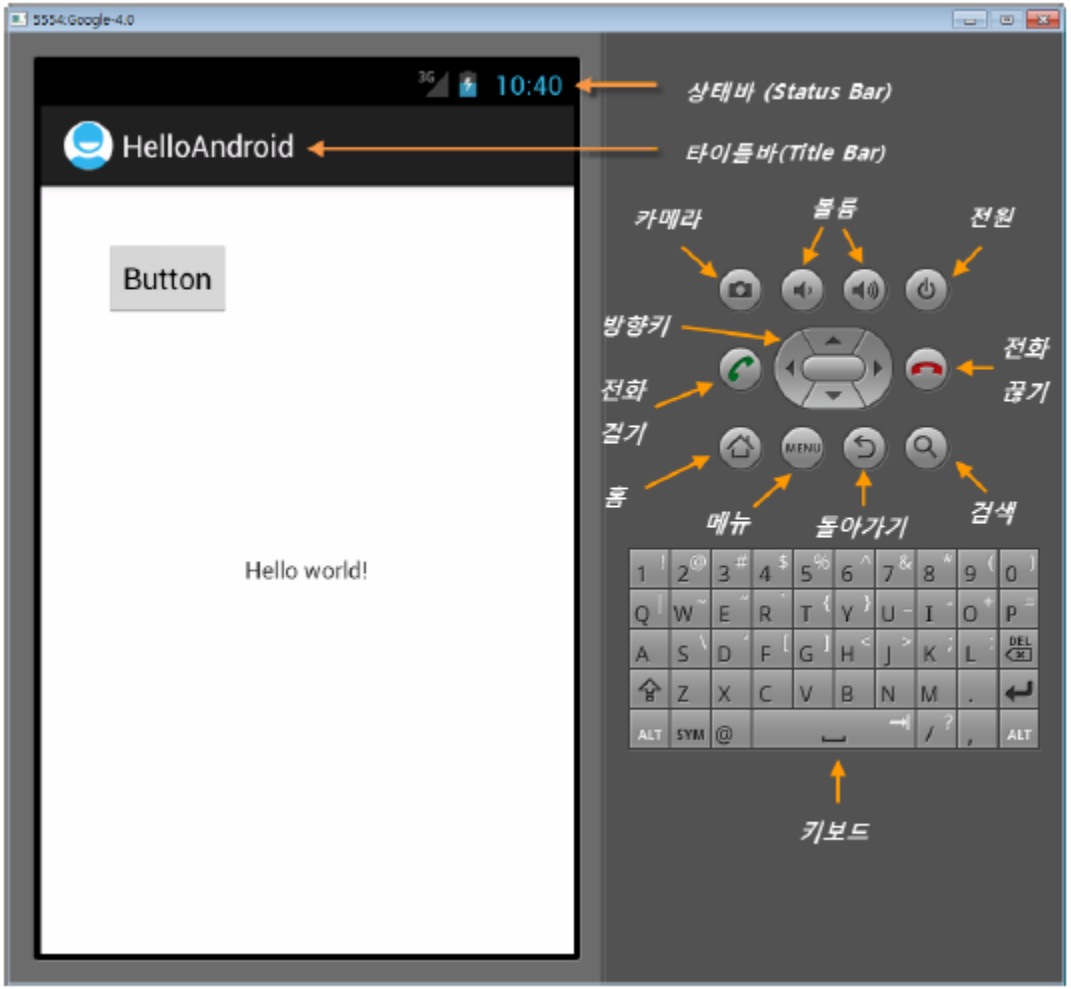
```
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
}
```


Packages
app
android.support.v7.appcompat
R
com.example.administrator.s20150001
test
ApplicationTest
BuildConfig
MainActivity
R
drawable
layout
mipmap-hdpi
mipmap-mdpi
mipmap-xhdpi
mipmap-xxhdpi
mipmap-xxxhdpi
values
values-w820dp
Libraries
MainActivity.java
activity_main.xml
R.java
s20150001₩R.java
Files under the build folder are generated and should not be edited.
activity_ma
Match Case
Regex
Words
1 match
public static final int abc_max_action_buttons=0x7f0a0000;
public static final int cancel_button_image_alpha=0x7f0a0003;
public static final int status_bar_notification_info_maxnum=0x7f0a0004;
}
public static final class layout {
public static final int abc_action_bar_title_item=0x7f040000;
public static final int abc_action_bar_up_container=0x7f040001;
public static final int abc_action_bar_view_list_nav_layout=0x7f040002;
public static final int abc_action_menu_item_layout=0x7f040003;
public static final int abc_action_menu_layout=0x7f040004;
public static final int abc_action_mode_bar=0x7f040005;
public static final int abc_action_mode_close_item_material=0x7f040006;
public static final int abc_activity_chooser_view=0x7f040007;
public static final int abc_activity_chooser_view_list_item=0x7f040008;
public static final int abc_alert_dialog_button_bar_material=0x7f040009;
public static final int abc_alert_dialog_material=0x7f04000a;
public static final int abc_dialog_title_material=0x7f04000b;
public static final int abc_expanded_menu_layout=0x7f04000c;
public static final int abc_list_menu_item_checkbox=0x7f04000d;
public static final int abc_list_menu_item_icon=0x7f04000e;
public static final int abc_list_menu_item_layout=0x7f04000f;
public static final int abc_list_menu_item_radio=0x7f040010;
public static final int abc_popup_menu_item_layout=0x7f040011;
public static final int abc_screen_content_include=0x7f040012;
static final int abc_screen_simple=0x7f040013;
static final int abc_screen_simple_overlay_action_mode=0x7f040014;
blic static final int abc_screen_toolbar=0x7f040015;
tatic final int abc_search_dropdown_item_icons_2line=0x7f040016;
public sta final int abc_search_view=0x7f040017;
public static final int abc_select_dialog_material=0x7f040018;
public static final int activity_main=0x7f040019;
R.layout.activity_main

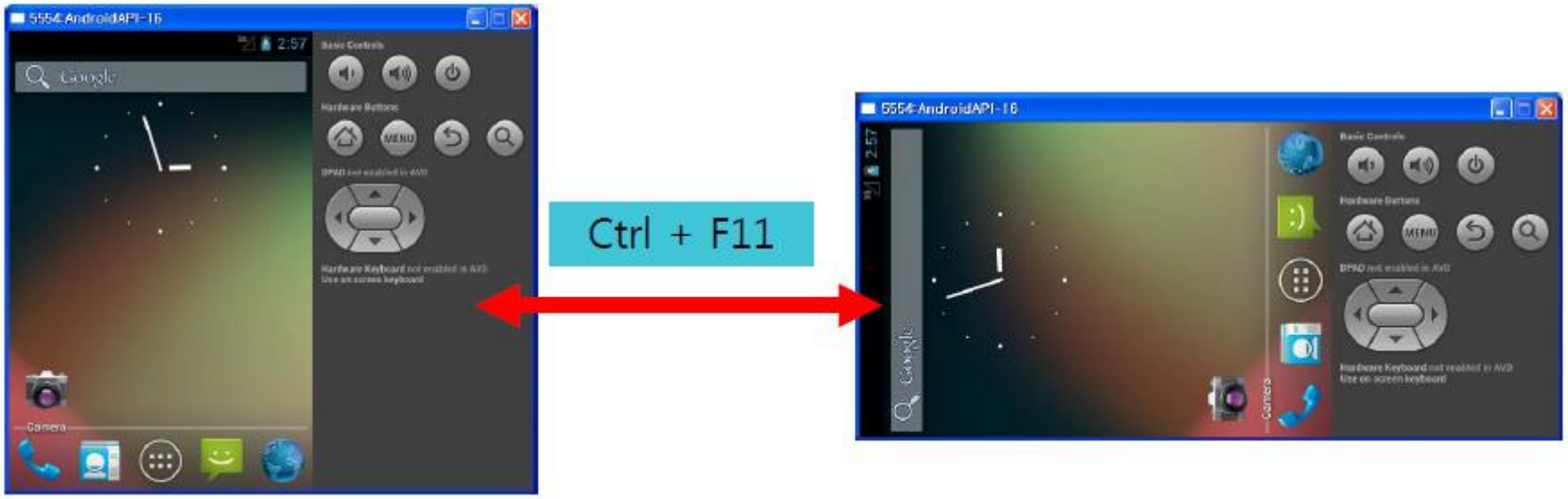
AndroidMainifest.xml



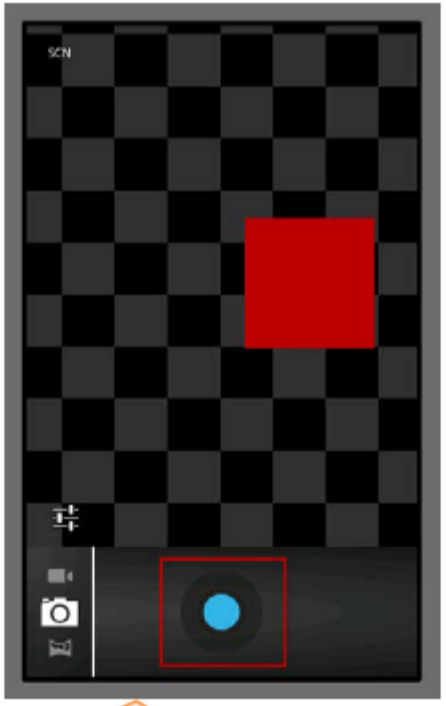
AVD 명칭과 사용법


5554:Google-4.0
10:40
HelloAndroid
Button
Hello world!
상태바 (Status Bar)
타이틀바(Title Bar)
카메라
볼륨
전원
방향키
전화
걸기
전화
끊기
홈
메뉴
돌아가기
검색
키보드

초기 화면과 가로 화면

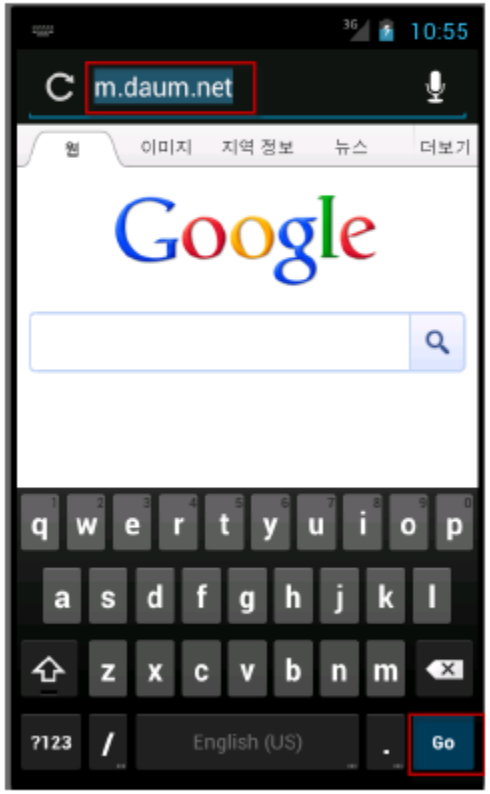


알람 추가 / 가상 카메라 / 갤러리



가상의 카메라 화면

웹 브라우저


10:55
m.daum.net
웹
이미지
지역 정보
뉴스
더보기
Google
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123
English (US)
Go


10:58
Daum
이슈검색
메일
카페
쇼핑
전체
실시간이슈 2 상주 서울
자동차보험료!
탄 만큼만내기 있기? 없기?
뉴스 스포츠 연예
06/28(목)
정무, 졸속추진 논란 '한일 군사협정' 강행
영화 '도가니' 속 실제 인물에 징역 7년 구형
[토픽] 팝스타에 푹 빠진 소녀들 '뇌' 때문
캐스터 '일본 점령한다' 이대호 '거포 본능, 4번타자'
신은경 "술 끊고 보약먹는 중"
최윤소 '유니폼을 입어도 여신'
6천700만원짜리 밍크고래
한가인, 집에서 토끼옷 입고 식사?

배경화면 변경


MENU
10:04
Google
배경화면
애플리케이션 관리
시스템 설정
10:05
배경화면 선택
라이브 배경화면
배경화면
사진
10:20
배경화면
배경화면 설정

디스플레이 설정 변경


10:22
설정
무선 및 네트워크
데이터 사용량
더보기...
기기
소리
디스플레이
저장소
배터리
애플리케이션
개인 설정
10:23
디스플레이
밝기
배경화면
자동 화면 회전
절전 모드
1분 이상 동작이 없을 때
글꼴 크기
보통
10:24
절전 모드
15초
30초
1분
2분
5분
10분
30분
취소

❖ 바탕화면에 응용 프로그램 복사 및 삭제

응용 프로그램 완전 삭제


11:11
애플리케이션
위젯
API Demos
Custom Locale
Dev Tools
Gestures Builder
HelloAndroid
MainActivity
Speech Recorder
Widget Preview
검색
계산기
내비게이션
위치찾기
음악
이메일
인터넷
마우스로 꾸~욱 누르면~~
11:17
제거
앱 정보
카메라
11:18
앱 정보
HelloAndroid
버전 1.0
강제 종료
제거
저장공간
전체 484 KB
앱 484 KB
USB 저장소 애플리케이션 0.00 B
데이터 0.00 B
SD 카드 0.00 B
데이터 지우기
SD 카드로 이동
캐시
캐시 0.00 B

Import

MainActivity.java

```
package com.example.administrator.s20150001;

import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInst
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_mai
    }
}
```

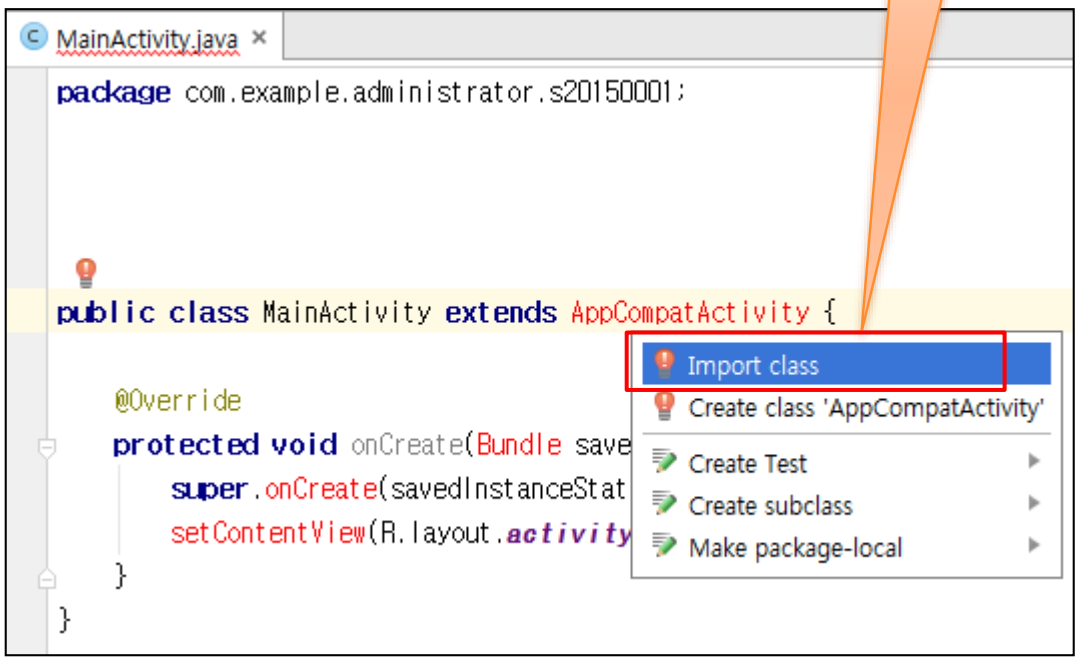
1. 삭제

MainActivity.java

```
package com.example.administrator.s20150001;



public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

Import

2. 클릭 후 [Alt] + [Enter]



3. 클릭

Import

MainActivity.java

```
package com.example.administrator.s20150001;

import android.support.v7.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

4. 추가 확인

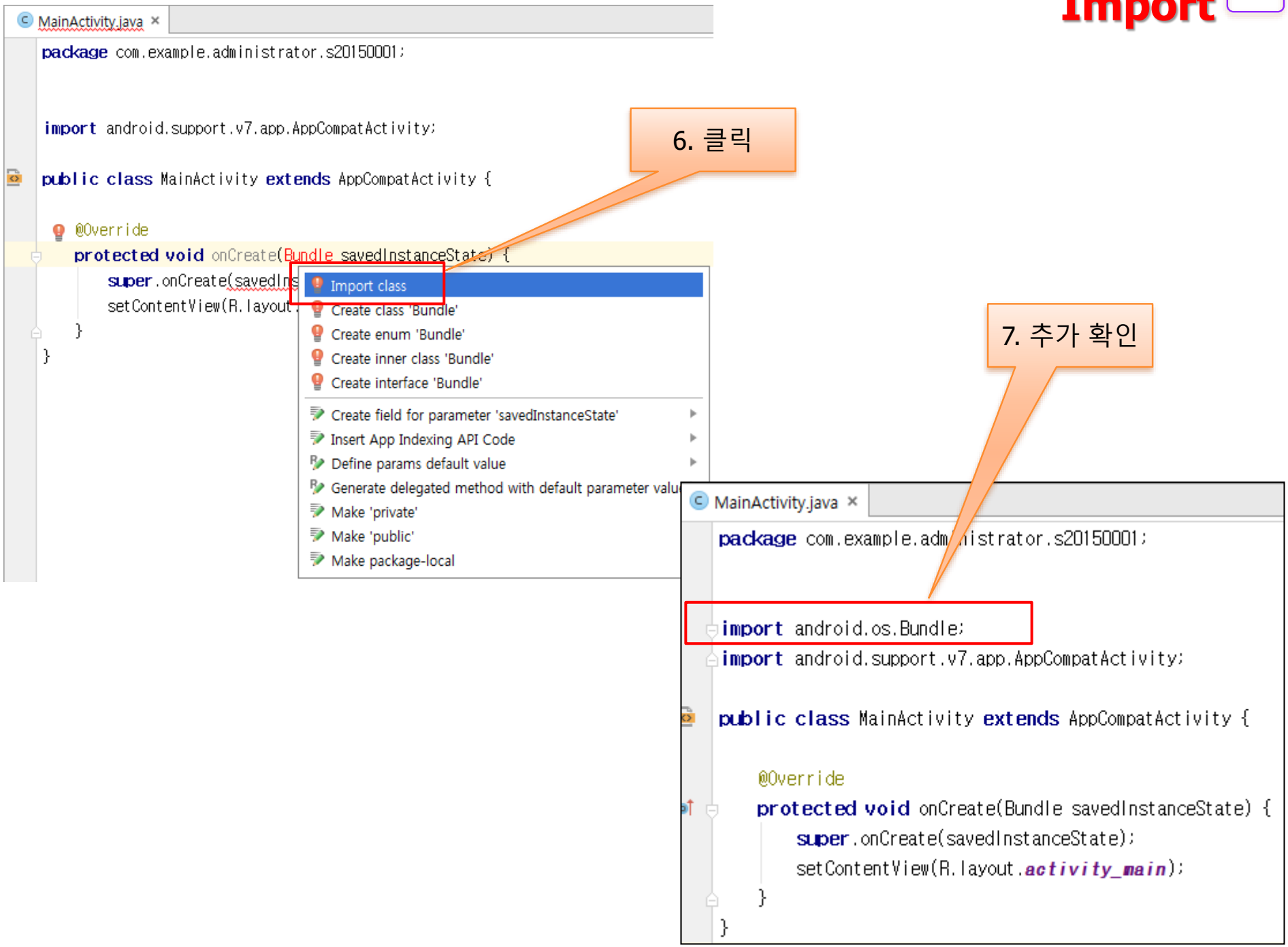
5. 클릭 후 [Alt] + [Enter]

MainActivity.java

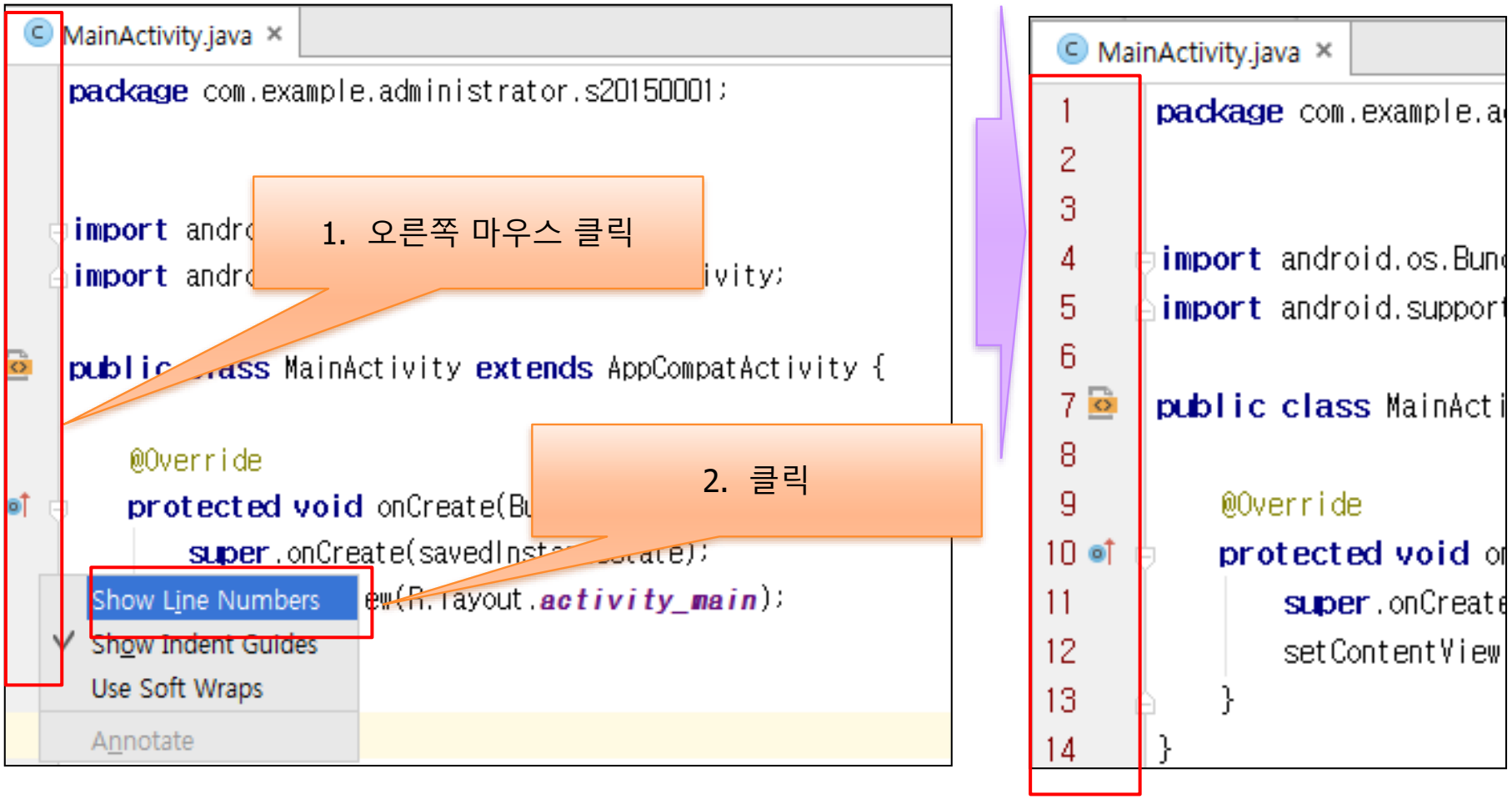
```
package com.example.administrator.s20150001;

import android.support.v7.app.AppCompatActivity;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

? android.os.Bundle? Alt+Enter

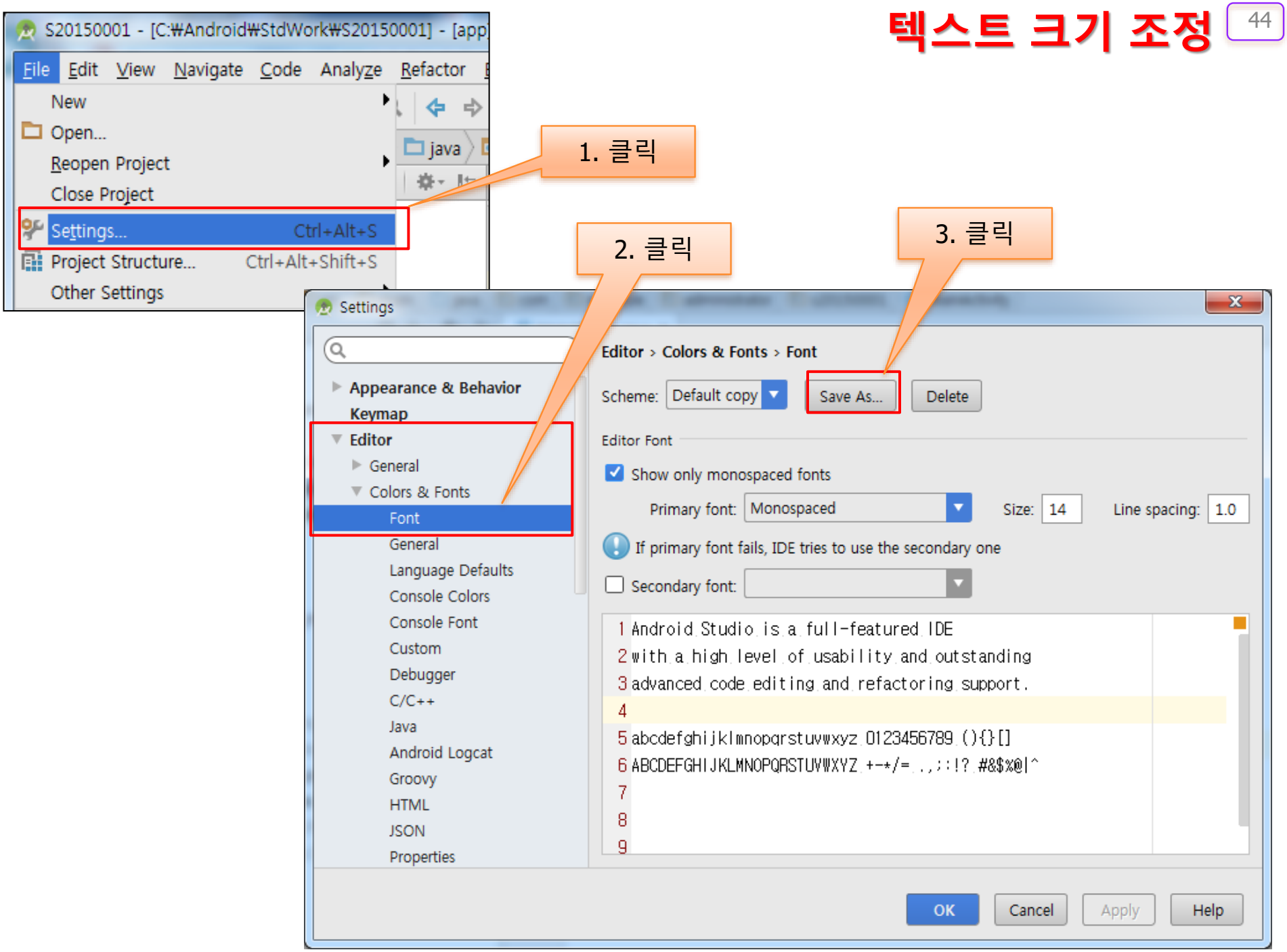
Import


MainActivity.java
package com.example.administrator.s20150001;
import android.support.v7.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedIns
setContentView(R.layout
}
}
6. 클릭
Import class
Create class 'Bundle'
Create enum 'Bundle'
Create inner class 'Bundle'
Create interface 'Bundle'
Create field for parameter 'savedInstanceState'
Insert App Indexing API Code
Define params default value
Generate delegated method with default parameter valu
Make 'private'
Make 'public'
Make package-local
7. 추가 확인
MainActivity.java
package com.example.administrator.s20150001;
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
}
}

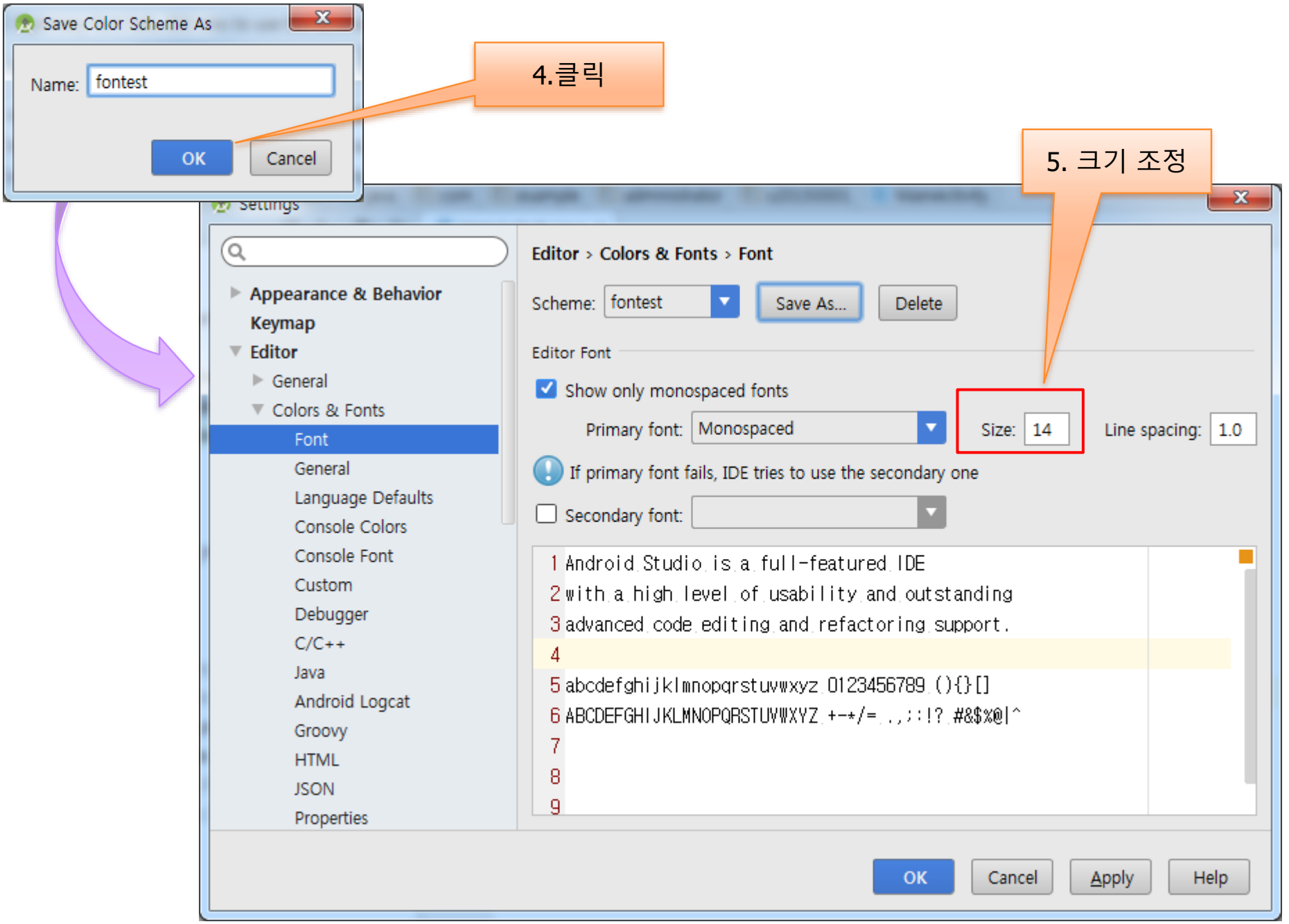
줄 번호 넣기


MainActivity.java
package com.example.administrator.s20150001;
import andro
import andro
ivity;
public class MainActivity extends AppCompatActivity {
@Override
protected void onCreate(Bu
super.onCreate(savedInst
ate);
ew(R.layout.activity_main);
1. 오른쪽 마우스 클릭
2. 클릭
Show Line Numbers
Show Indent Guides
Use Soft Wraps
Annotate
MainActivity.java
1 package com.example.a
2
3
4 import android.os.Bun
5 import android.support
6
7 public class MainActi
8
9 @Override
10 protected void o
11 super.onCreate
12 setContentView
13 }
14 }

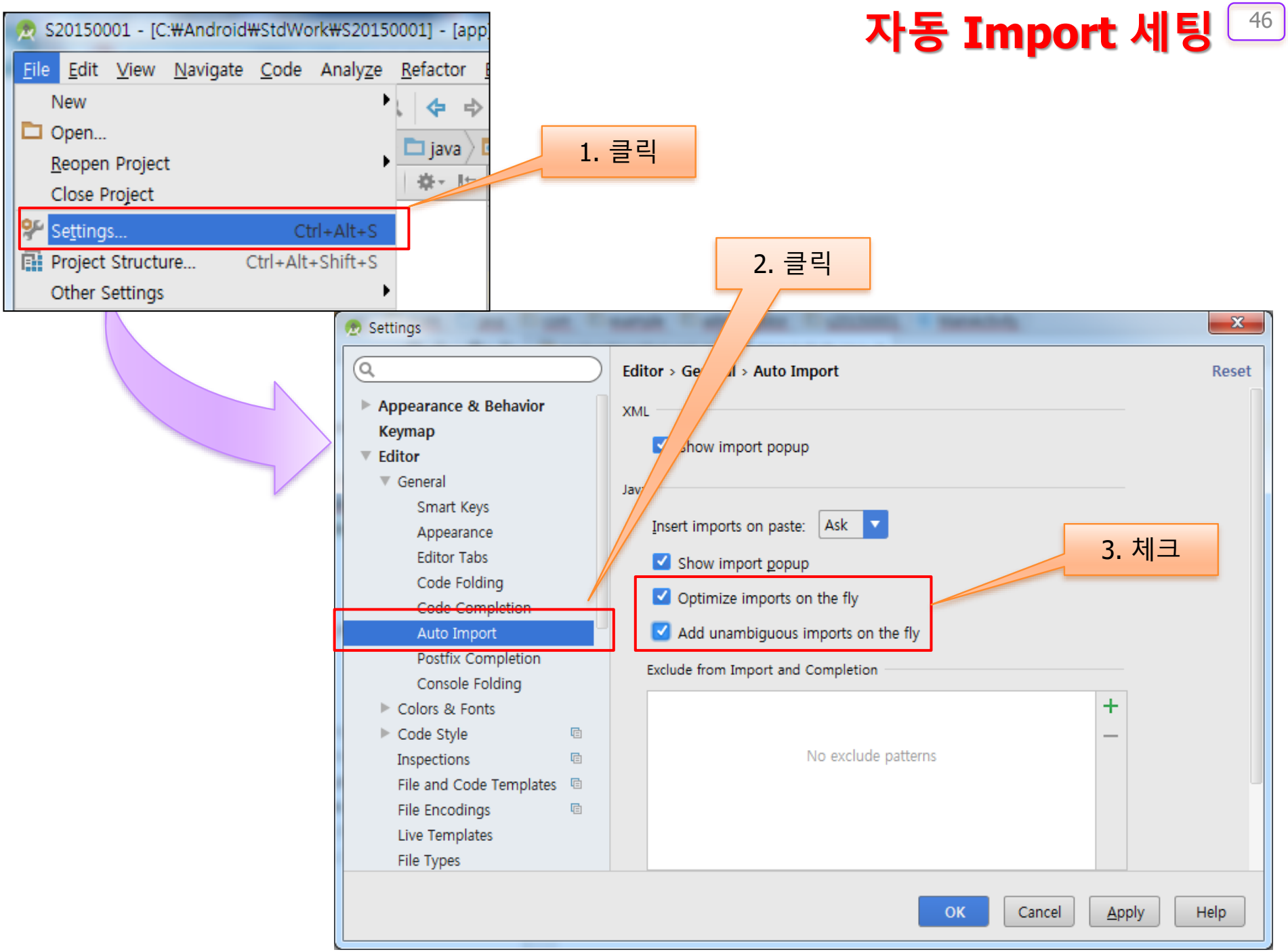
텍스트 크기 조정


S20150001 - [C:₩Android₩StdWork₩S20150001] - [app]
File Edit View Navigate Code Analyze Refactor
New
Open...
Reopen Project
Close Project
Settings... Ctrl+Alt+S
Project Structure... Ctrl+Alt+Shift+S
Other Settings
java
1. 클릭
2. 클릭
3. 클릭
Settings
Editor › Colors & Fonts › Font
Appearance & Behavior
Keymap
Editor
General
Colors & Fonts
Font
General
Language Defaults
Console Colors
Console Font
Custom
Debugger
C/C++
Java
Android Logcat
Groovy
HTML
JSON
Properties
Scheme: Default copy
Save As...
Delete
Editor Font
Show only monospaced fonts
Primary font: Monospaced
Size: 14
Line spacing: 1.0
If primary font fails, IDE tries to use the secondary one
Secondary font:
1 Android Studio is a full-featured IDE
2 with a high level of usability and outstanding
3 advanced code editing and refactoring support.
4
5 abcdefghijklmnopqrstuvwxyz 0123456789 (){}[]
6 ABCDEFGHIJKLMNOPQRSTUVWXYZ +-*/= .,;:!? #&$%@|^
7
8
9
OK
Cancel
Apply
Help

텍스트 크기 조정


Save Color Scheme As
Name: fontest
OK
Cancel
4.클릭
5. 크기 조정
Settings
Appearance & Behavior
Keymap
Editor
General
Colors & Fonts
Font
General
Language Defaults
Console Colors
Console Font
Custom
Debugger
C/C++
Java
Android Logcat
Groovy
HTML
JSON
Properties
Editor › Colors & Fonts › Font
Scheme: fontest
Save As...
Delete
Editor Font
Show only monospaced fonts
Primary font: Monospaced
Size: 14
Line spacing: 1.0
If primary font fails, IDE tries to use the secondary one
Secondary font:
1 Android Studio is a full-featured IDE
2 with a high level of usability and outstanding
3 advanced code editing and refactoring support.
4
5 abcdefghijklmnopqrstuvwxyz 0123456789 (){}[]
6 ABCDEFGHIJKLMNOPQRSTUVWXYZ +-*/= .,;:!? #&$%@|^
7
8
9
OK
Cancel
Apply
Help

자동 Import 세팅


S20150001 - [C:₩Android₩StdWork₩S20150001] - [app]
File Edit View Navigate Code Analyze Refactor
New
Open...
Reopen Project
Close Project
Settings... Ctrl+Alt+S
Project Structure... Ctrl+Alt+Shift+S
Other Settings
java
1. 클릭
2. 클릭
Settings
Editor › Ge l › Auto Import
Reset
Appearance & Behavior
Keymap
Editor
General
Smart Keys
Appearance
Editor Tabs
Code Folding
Code Completion
Auto Import
Postfix Completion
Console Folding
Colors & Fonts
Code Style
Inspections
File and Code Templates
File Encodings
Live Templates
File Types
XML
how import popup
Jav
Insert imports on paste: Ask
Show import popup
Optimize imports on the fly
Add unambiguous imports on the fly
3. 체크
Exclude from Import and Completion
No exclude patterns
OK
Cancel
Apply
Help

자동 라인 정렬

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="16dp"
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
    android:paddingTop="16dp"
    tools:context="com.example.administrator.s20150001.MainActivity">

    <TextView        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!" />
</RelativeLayout>
```

[CRTL] + [ALT] + L

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="16dp"
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
    android:paddingTop="16dp"
    tools:context="com.example.administrator.s20150001.MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World!" />
</RelativeLayout>
```