

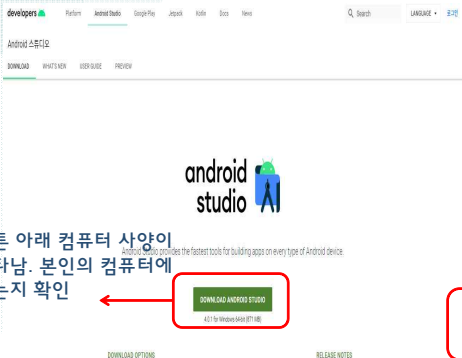


android studio install

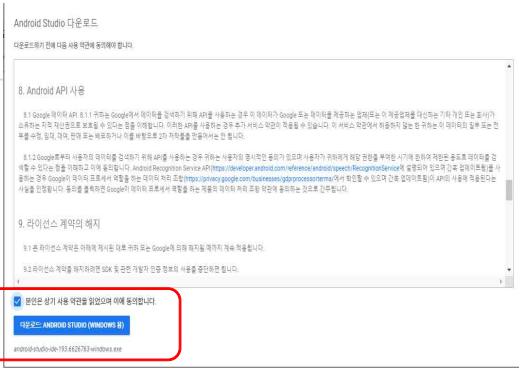
Hello World 출력

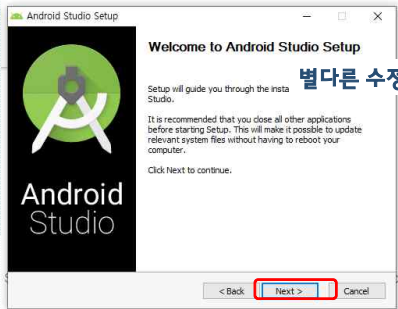
안드로이드 스튜디오 설치하기

▶ 안드로이드 개발자 사이트에 접속. <https://developer.android.com/studio>

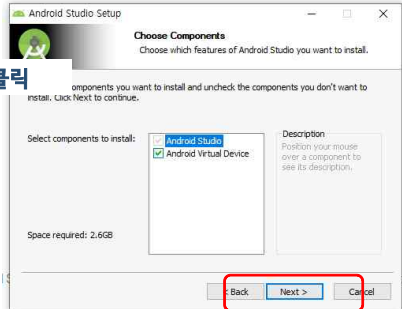


버튼 아래 컴퓨터 사양이
나타남. 본인의 컴퓨터에
맞는지 확인



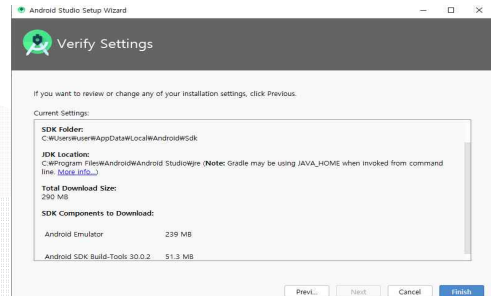
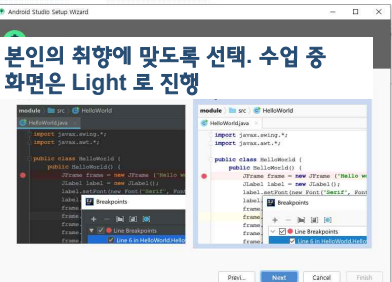


별다른 수정없이 Next 클릭



Do not import settings 체크







Android Studio

Version 4.0.1

+ Start a new Android Studio project

Open an existing Android Studio project

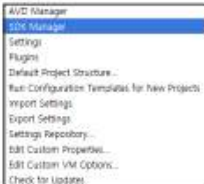
Get from Version Control

Profile or debug APK

Import project (Gradle, Eclipse ADT, etc.)

Import an Android code sample

Configure Help



SDK Manager 클릭

Settings for New Projects

Q

Appearance & Behavior

Appearance

Menus and Toolbars

System Settings

Passwords

HTTP Proxy

Data Sharing

Date Formats

Updates

Android SDK

Notifications

Quick Lists

Path Variables

Keymap

Editor

Plugins

Build, Execution, Deployment

Kotlin

Tools

SDK SDK Tools 선택

DK

lio

Android SDK Location: C:\Users\user\AppData\Local\Android\Sdk

Edit Optimize disk space

SDK Platforms SDK Tools SDK Update Sites

Below are the available SDK developer tools. Once installed, Android Studio will automatically check for updates. Check "show package details" to display available versions of an SDK Tool.

| Name | Version | Status |
|--|---------|---------------|
| <input checked="" type="checkbox"/> Android SDK Build-Tools | | Installed |
| <input type="checkbox"/> NDK (Side by side) | | Not installed |
| <input type="checkbox"/> Android SDK Command-line Tools (latest) | | Not installed |
| <input type="checkbox"/> CMake | | Not installed |
| <input type="checkbox"/> Android Auto API Simulators | 1 | Not installed |
| <input type="checkbox"/> Android Auto Desktop Head Unit emulator | 1.1 | Not installed |
| <input checked="" type="checkbox"/> Android Emulator | 30.0.26 | Installed |
| <input type="checkbox"/> Android Emulator Hypervisor Driver for AMD Processors (installer) | 1.5.0 | Not installed |
| <input checked="" type="checkbox"/> Android SDK Platform-Tools | 30.0.4 | Installed |
| <input type="checkbox"/> Google Play APK Expansion Library | 1 | Not installed |
| <input type="checkbox"/> Google Play Instant Development SDK | 1.9.0 | Not installed |
| <input type="checkbox"/> Google Play Licensing Library | 1 | Not installed |
| <input checked="" type="checkbox"/> Google Play services | 49 | Installed |
| <input type="checkbox"/> Google USB Driver | 13 | Not installed |
| <input type="checkbox"/> Google Web Driver | 2 | Not installed |
| <input checked="" type="checkbox"/> Intel x86 Emulator Accelerator (HAXM installer) | 7.5.6 | Installed |
| <input type="checkbox"/> Layout Inspector image server for API 29-30 | 3 | Not installed |

Android SDK Build-Tools
 Android Emulator
 Android SDK Platform-Tools
 Android SDK Tools
 Google Play services
 Emulator Accelerator 체크

☒ Hide Obsolete Packages ☐ Show Package Details

OK

Cancel

Apply

Help



Android Studio

Version 4.0.1

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Configure Get Help

Create New Project



Select a Project Template

Phone and Tablet

Wear OS

TV

Automotive

Android Things



No Activity



Basic Activity



Bottom Navigation Activity



Empty Activity



Empty Activity

Creates a new empty activity.

Previous

Next

Cancel

Finish

Name 은 Hello

Package name 에는 org.techtown.hello

Name과 Package name은 마음대로 입력 가능
단, Name에 입력하는 글자는 영문 대문자 시작
Package name은 영문 소문자로 시작

Empty Activity

Creates a new empty activity.

Name: Hello

Package name: com.example.hello

Save location: C:\Users\User\AndroidStudioProjects\Hello

Language: Java

Minimum SDK: API 16: Android 4.1 (Jelly Bean)

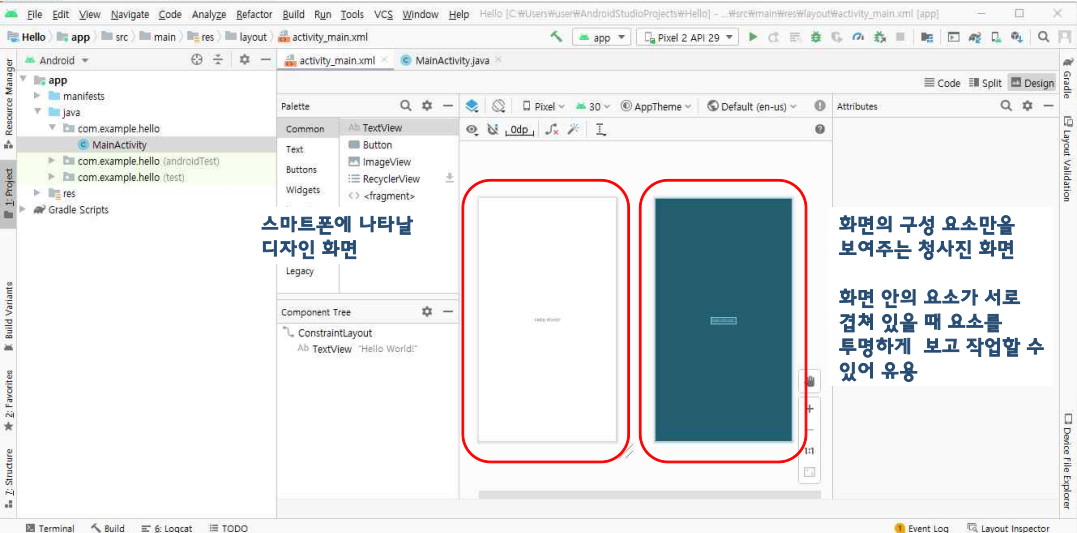
① Your app will run on approximately 99.8% of devices.
[Help me choose](#)

☐ Use legacy android.support libraries ?

Previous Next Cancel Finish

Package name은 앱을 구별하는 고유값.
앱이 단말에 설치되었을 때 다른 앱과 구분
하는 역할. 다른 패키지 이름과 충돌되지
않도록 지어주는 것이 좋음.
패키지 이름은 인터넷 사이트 주소처럼
짓는 경우가 많음.

Language 는 Java



스마트폰에 나타날
디자인 화면

화면의 구성 요소만을
보여주는 청사진 화면

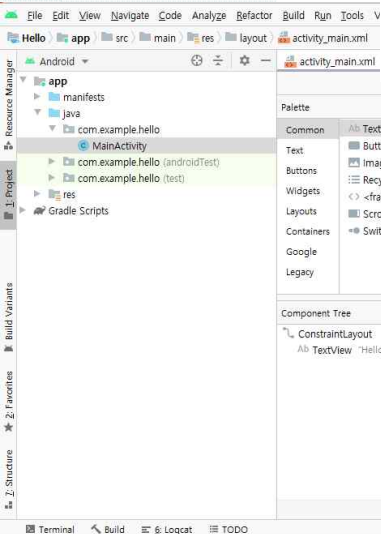
화면 안의 요소가 서로
겹쳐 있을 때 요소를
투명하게 보고 작업할 수
있어 유용

Terminal Build Logcat TODO

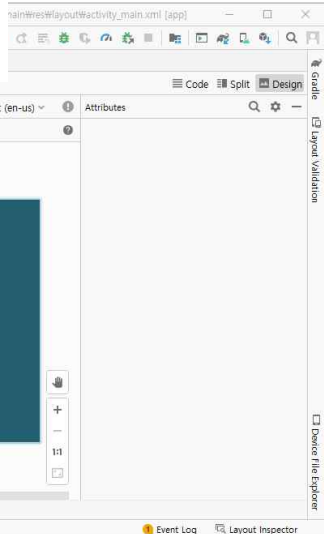
* daemon started successfully (moments ago)

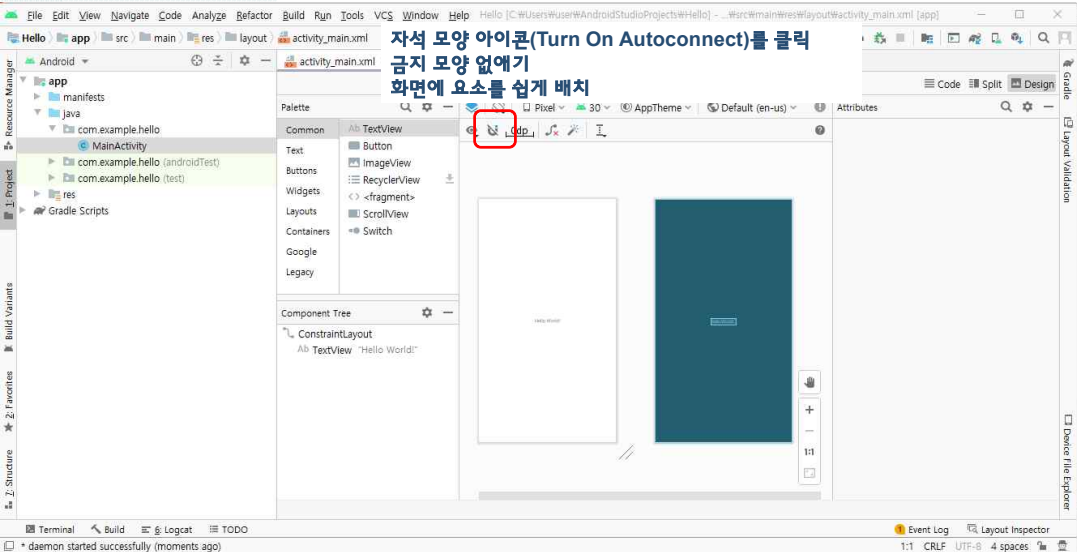
Event Log Layout Inspector

1:1 CRLF UTF-8 4 spaces



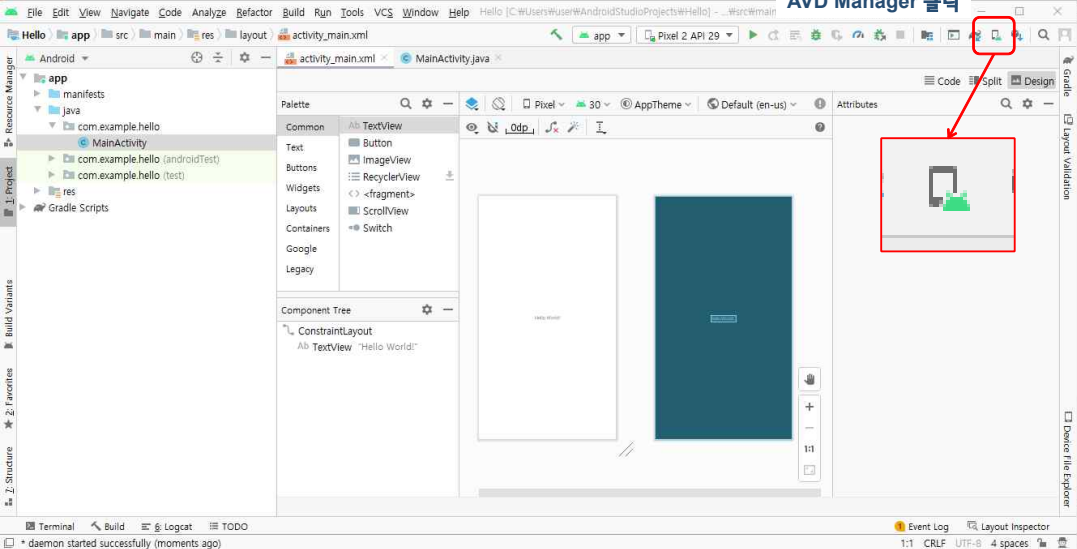
Design 선택.
Blueprint는 필요시 선택하여 확인
수업 중 Design 화면만 주로 필요





자석 모양 아이콘(Turn On Autoconnect)를 클릭
금지 모양 없애기
화면에 요소를 쉽게 배치

AVD Manager 클릭





System Image

Image는 하드웨어 종류에 따라 달라지는 것.
x86 Image탭에서 S Download 클릭 후 설치 (ABI 는 x86_64 Target는 Google APIs 포함)

Recommended **x86 Images** Other Images

| Release Name | API Level ▼ | ABI | Target |
|------------------------------|-------------|--------|----------------------------------|
| S Download | 31 | x86_64 | Android 12 Preview (Google Play) |
| S Download | 31 | x86_64 | Android 12 Preview (Google APIs) |
| R Download | 30 | x86_64 | Android 11.0 (Google Play) |
| R Download | 30 | x86 | Android 11.0 (Google APIs) |
| R Download | 30 | x86_64 | Android 11.0 (Google APIs) |
| Q Download | 29 | x86_64 | Android 10.0 (Google Play) |
| Q Download | 29 | x86_64 | Android 10.0 (Google APIs) |
| Q Download | 29 | x86 | Android 10.0 (Google APIs) |
| Q Download | 29 | x86_64 | Android 10.0 |
| Q Download | 29 | x86 | Android 10.0 |
| Pie Download | 28 | x86_64 | Android 9.0 (Google Play) |

! A system image must be selected to continue.



Component Installer

Installing Requested Components

SDK Path: C:\Users\User\AppData\Local\Android\Sdk

Packages to install:

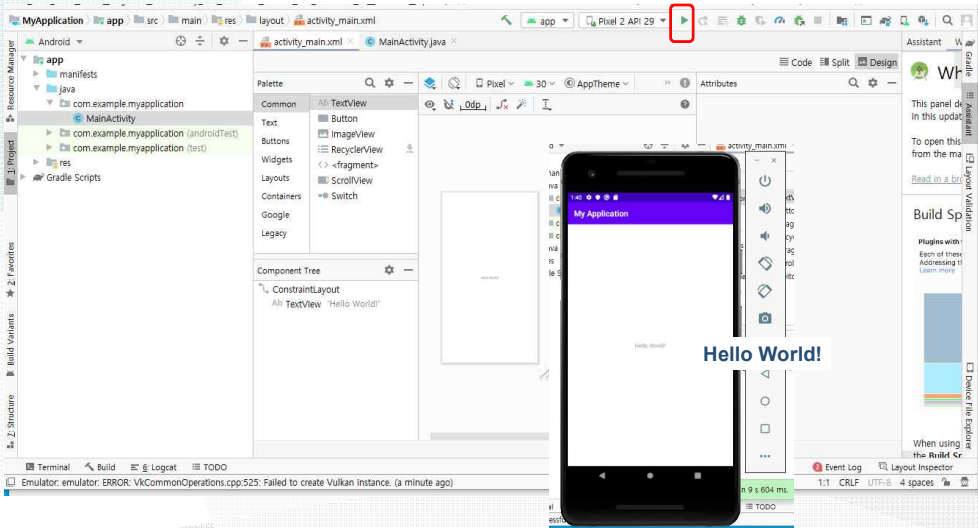
- Google Play Intel x86 Atom System Image (system-images;android-29;google,

Preparing "Install Google Play Intel x86 Atom System Image (revision: 8)".
Downloading https://dl.google.com/android/repository/sys-img/google_apis_p

Starting download...

ogle.com/android/repository/sys-img/google_apis_playstore/x86-29_r08-windows.1

Please wait until the installation finishes



여기까지. 수업 준비 끝.