

Xilinx Zynq FPGA, TI DSP, MCU 기반의 회로 설계 및 임베디드 전문가 과정

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1.먼저 자바 환경설정을 해준다.

<http://www.oracle.com/technetwork/java/javase/downloads/index.html>

위의 링크로 가서 JDK Download를 누른다.

Java Platform (JDK) 10

Java Platform, Standard Edition

Java SE 10.0.2

Java SE 10.0.2 is the latest feature release for the Java SE Platform

Learn more ▶

- Installation Instructions
- Release Notes
- Oracle License
- Java SE Licensing Information User Manual
 - Includes Third Party Licenses
- Certified System Configurations
- Readme

JDK

DOWNLOAD ↕

Server JRE

DOWNLOAD ↕

JRE

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2.라이선스 체크 후 os에 맞게 다운로드한다.

Java SE Development Kit 10.0.2

You must accept the Oracle Binary Code License Agreement for Java SE to download this software.

☒ Accept License Agreement ☐ Decline License Agreement

Product / File Description	File Size	Download
Linux	306 MB	jdk-10.0.2_linux-x64_bin.rpm
Linux	338.43 MB	jdk-10.0.2_linux-x64_bin.tar.gz
macOS	395.46 MB	jdk-10.0.2_osx-x64_bin.dmg
Solaris SPARC	207.07 MB	jdk-10.0.2_solaris-sparcv9_bin.tar.gz
Windows	390.25 MB	jdk-10.0.2_windows-x64_bin.exe



3.기본 설정으로 설치한 후 안드로이드 스튜디오를 다운받는다. next 후 install.

<https://developer.android.com/studio/#win-bundle>

androidstudio

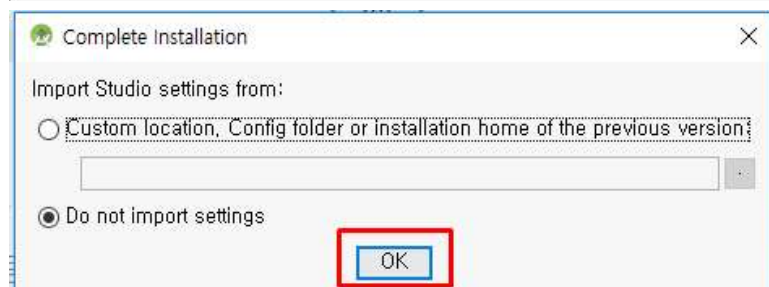
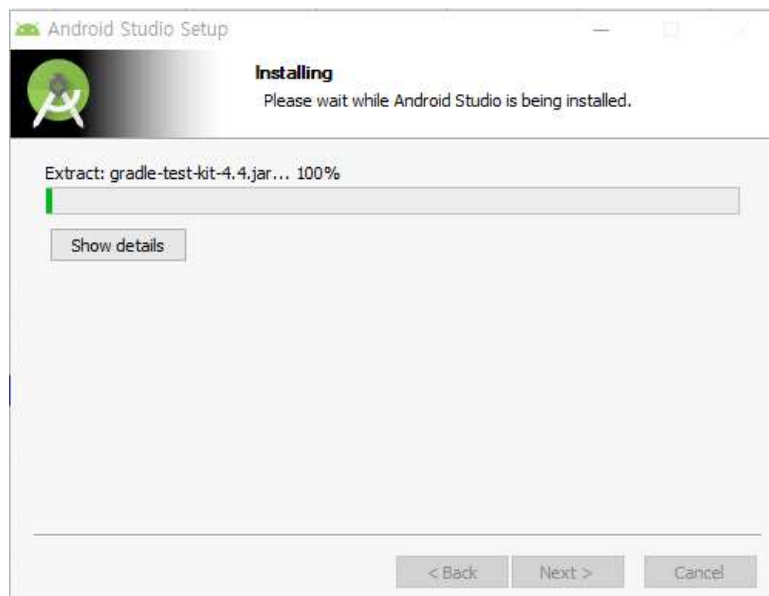
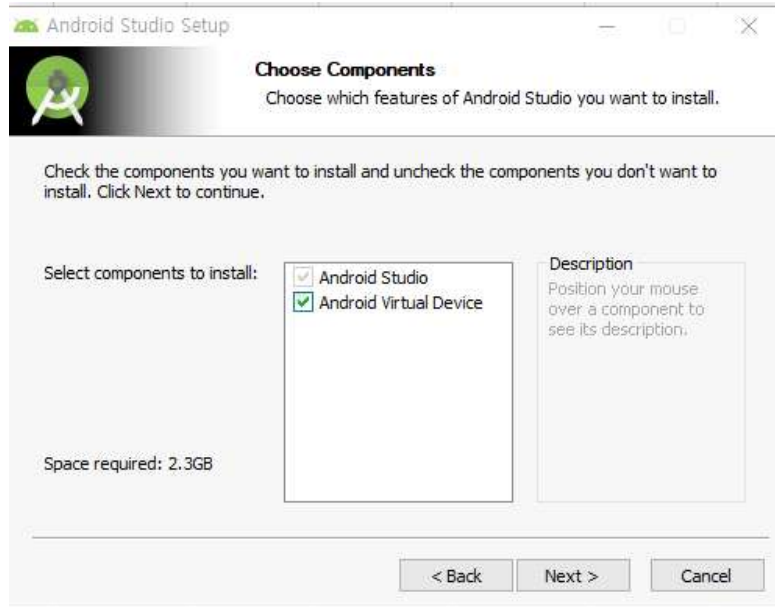
Android Studio provides the fastest tools for building apps on every type of Android device.

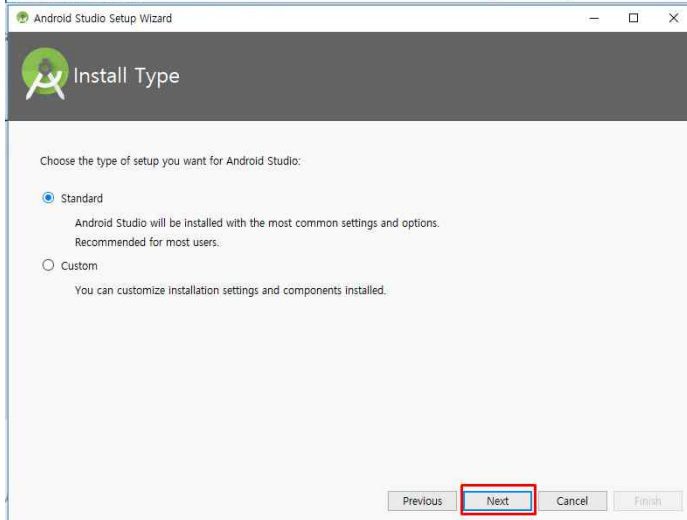
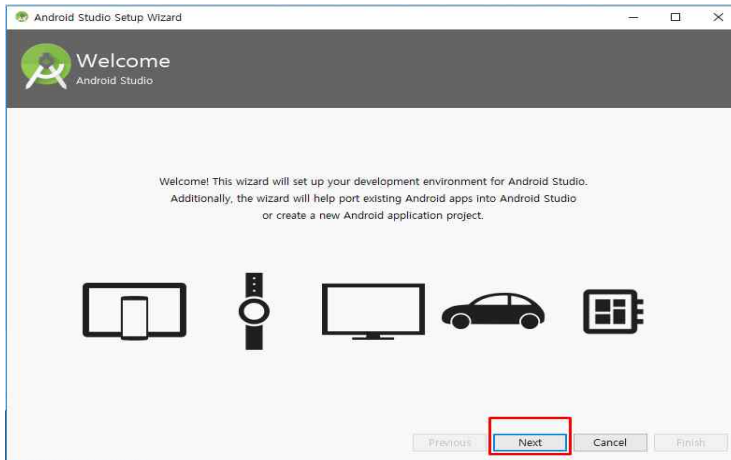
DOWNLOAD ANDROID STUDIO

3.1.3 for Windows 64-bit (758 MB)

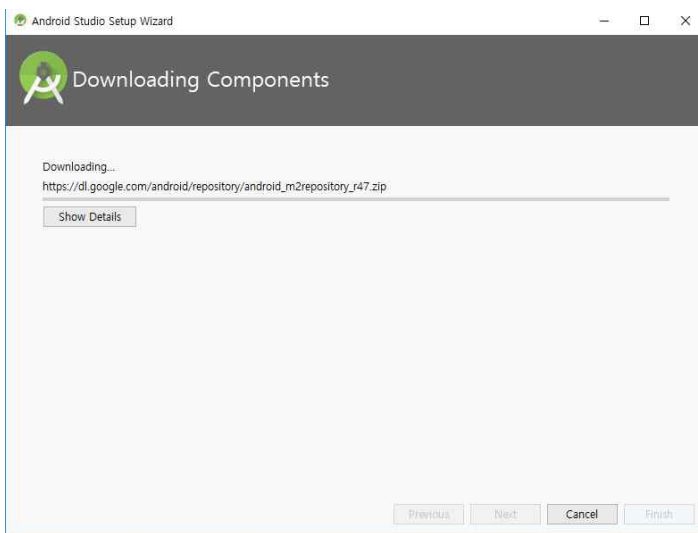
DOWNLOAD OPTIONS

RELEASE NOTES

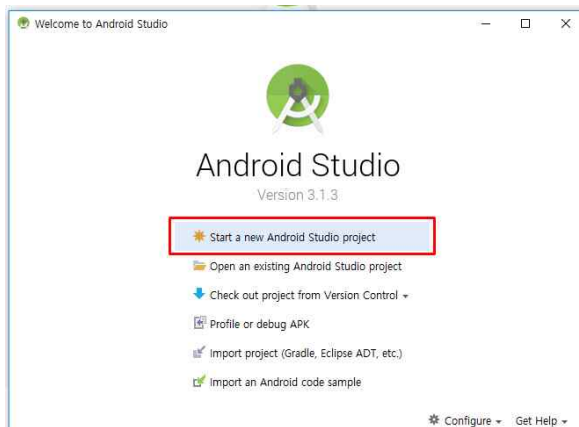




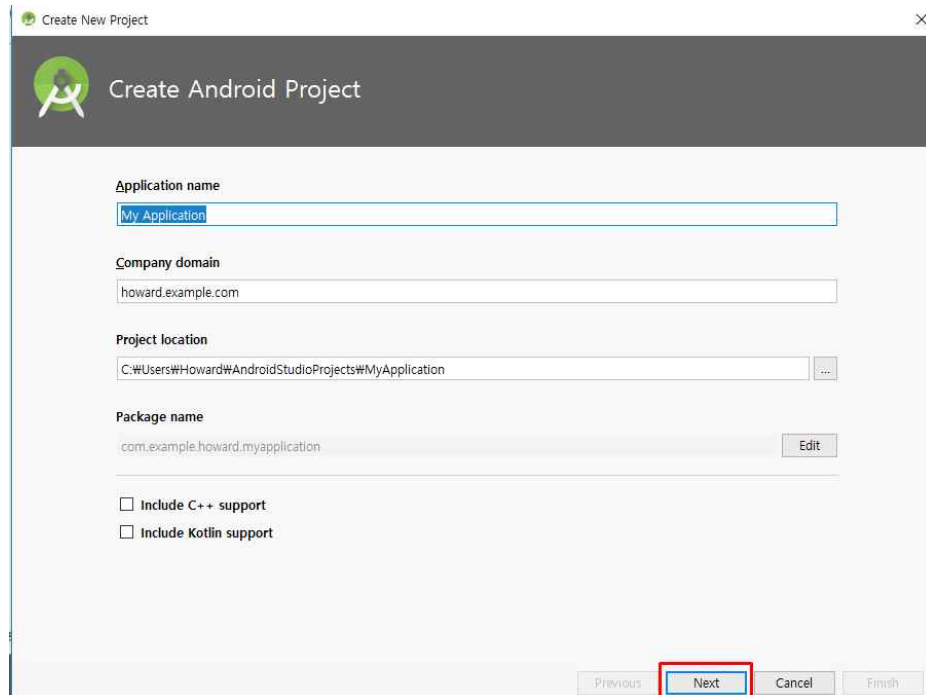
쭉 next next finish



4. 설치가 완료되면, 아래와 같은 창이 뜬다.



5. 프로젝트를 생성한다.



Create New Project

Create Android Project

Application name
My Application

Company domain
howard.example.com

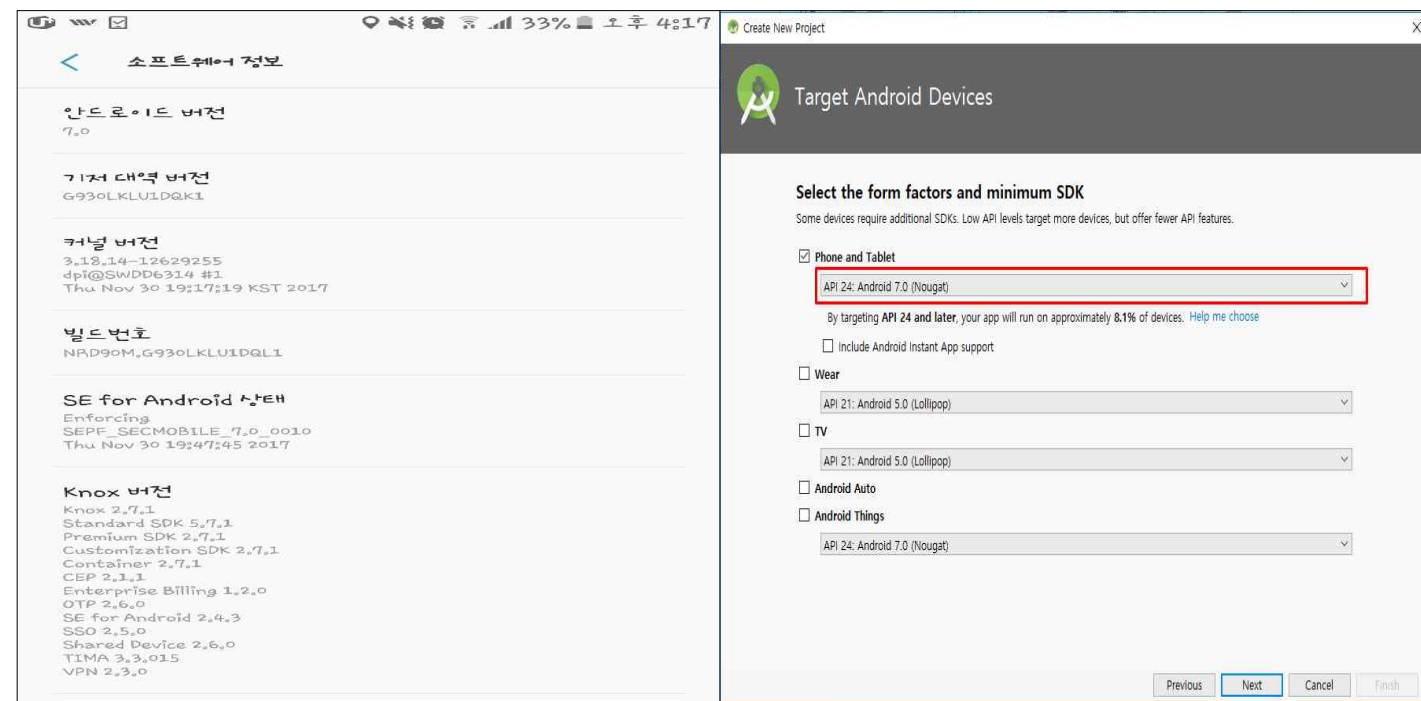
Project location
C:\Users\Howard\AndroidStudioProjects\MyApplication

Package name
com.example.howard.myapplication

☐ Include C++ support
☐ Include Kotlin support

Previous Next Cancel Finish

아래와 같이 핸드폰의 os 버전을 확인한 후, 버전을 선택한다.



Target Android Devices

Select the form factors and minimum SDK

Some devices require additional SDKs. Low API levels target more devices, but offer fewer API features.

☒ Phone and Tablet
API 24: Android 7.0 (Nougat)

By targeting API 24 and later, your app will run on approximately 8.1% of devices. [Help me choose](#)

☐ Include Android Instant App support

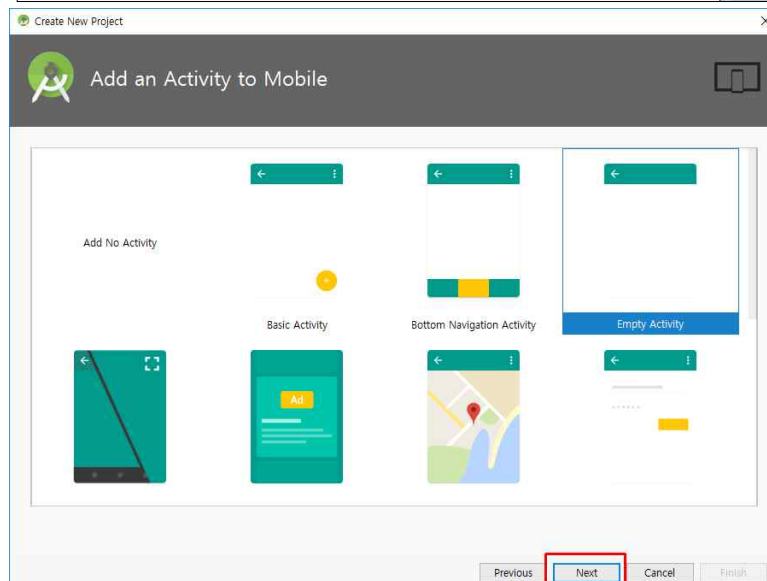
☐ Wear
API 21: Android 5.0 (Lollipop)

☐ TV
API 21: Android 5.0 (Lollipop)

☐ Android Auto

☐ Android Things
API 24: Android 7.0 (Nougat)

Previous Next Cancel Finish



Add an Activity to Mobile

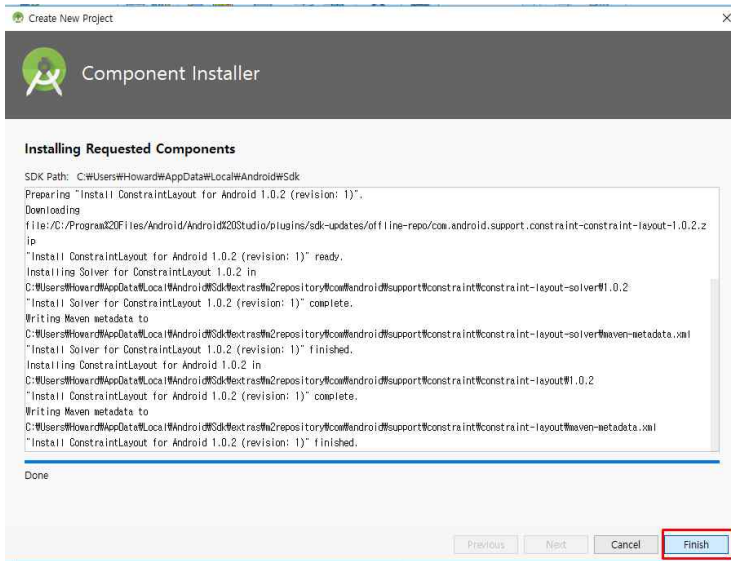
Add No Activity

Basic Activity

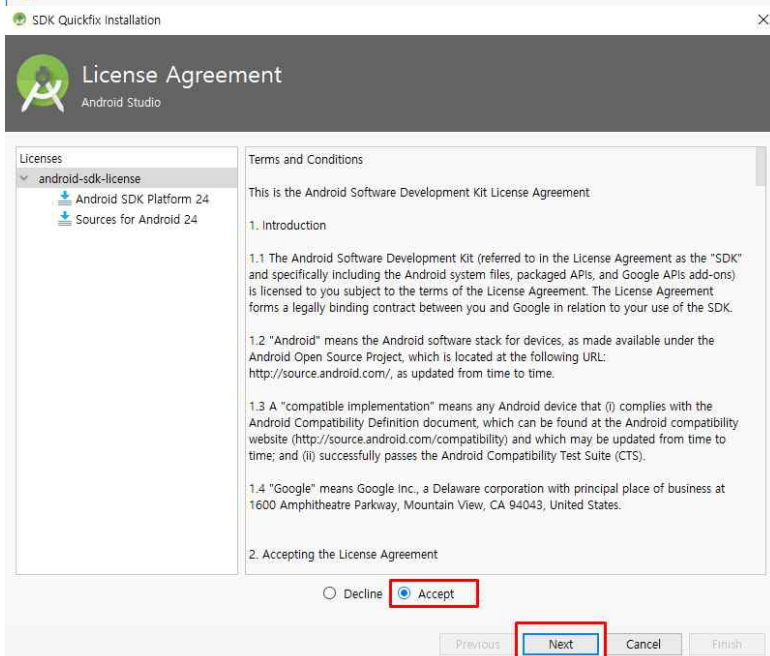
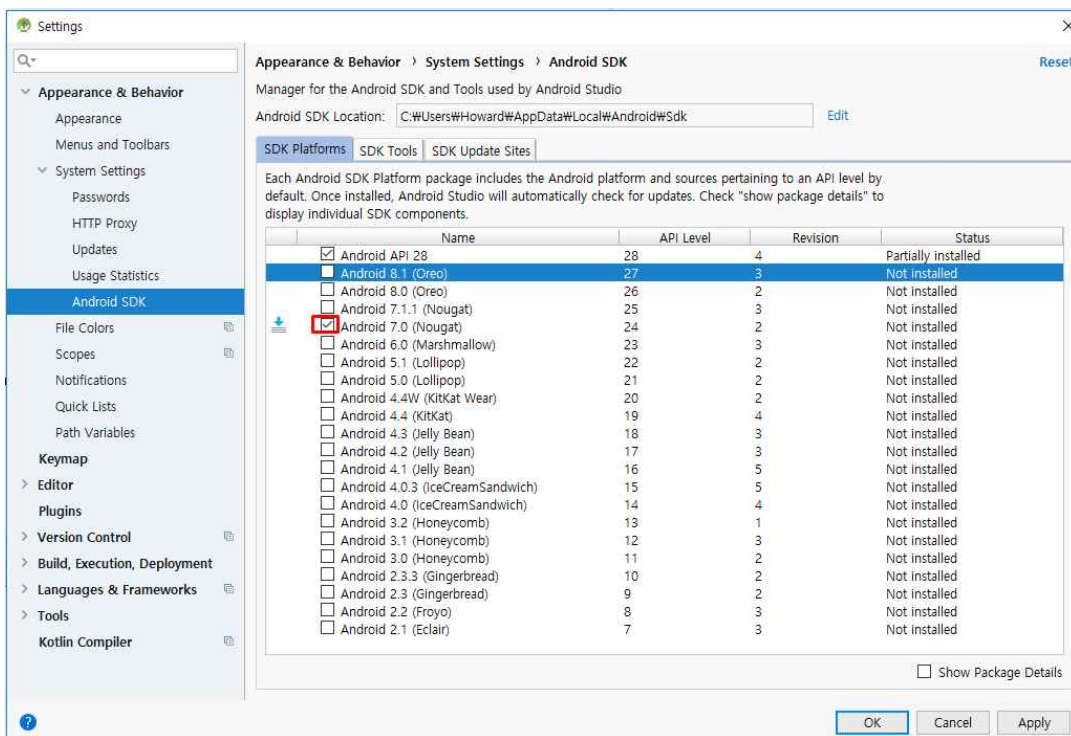
Bottom Navigation Activity

Empty Activity

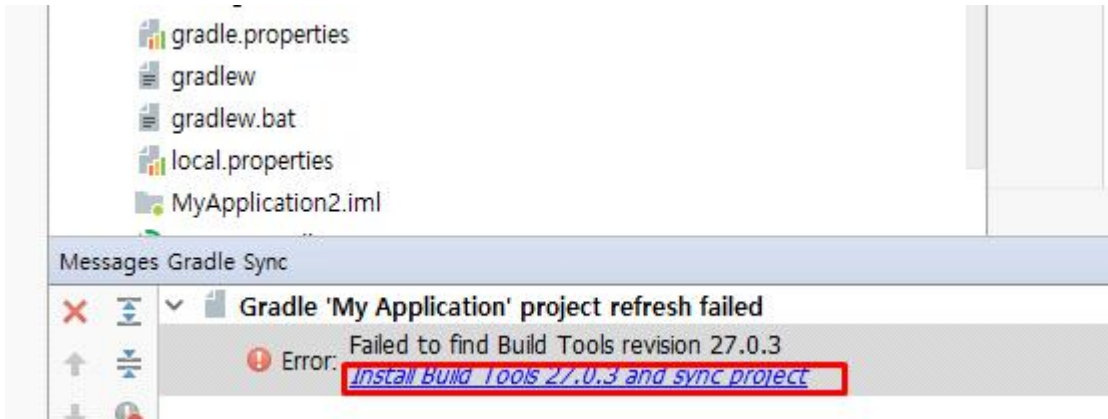
Previous Next Cancel Finish



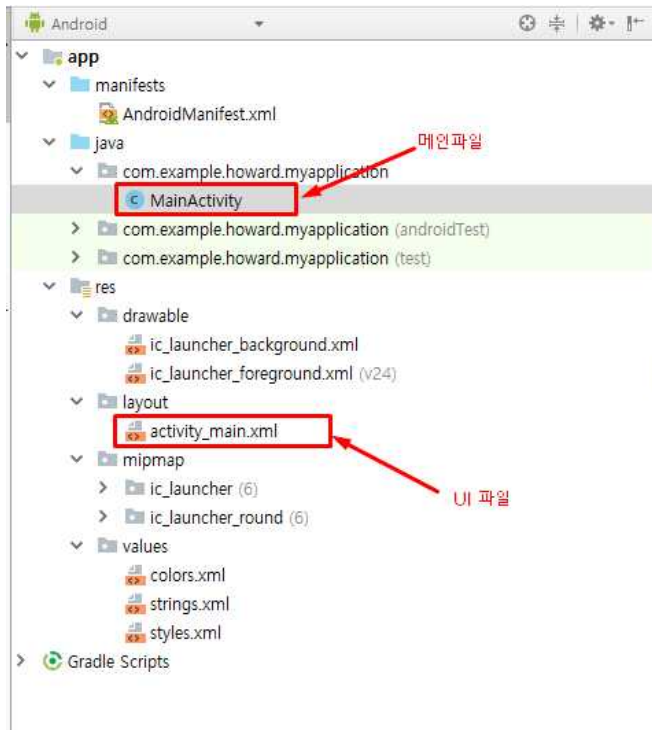
6. File -> Settings -> Appearance & Behavior -> System settings -> Android SDK 로 가서 아래와 같이 버전을 선택한 후 설치를 진행한다.



7.설치 후 아래의 Install Build Tools 27.0.3 and sync project 클릭



8.설치가 되면 아래와 같이 프로젝트가 보인다.

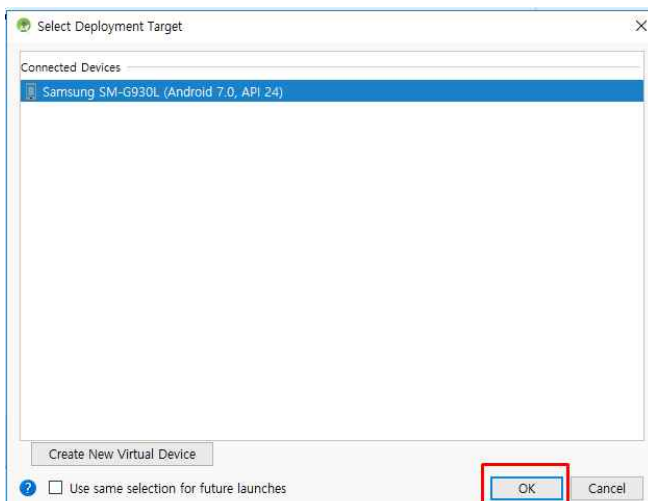


9.빈 프로젝트를 어플로 만들어보자!

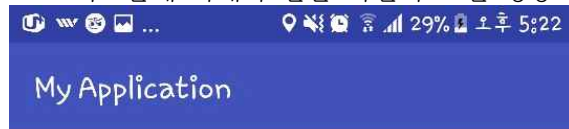
스마트폰을 연결한 후 Run 버튼을 클릭한다.



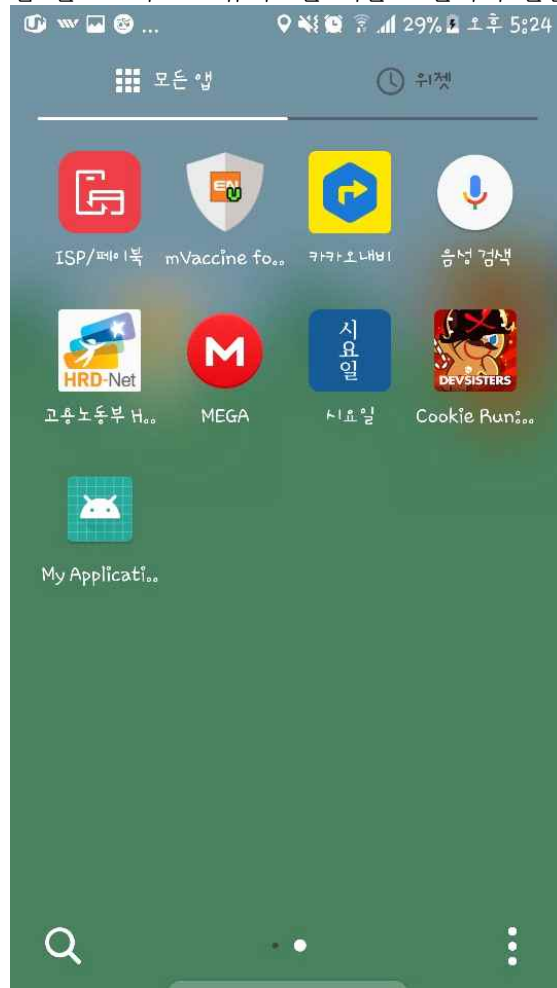
10. OK 버튼 클릭.



11.스마트폰에 아래와 같은 화면이 뜨면 성공! 요즘 안드로이드 스튜디오는 어플로 알아서 만들어준다.

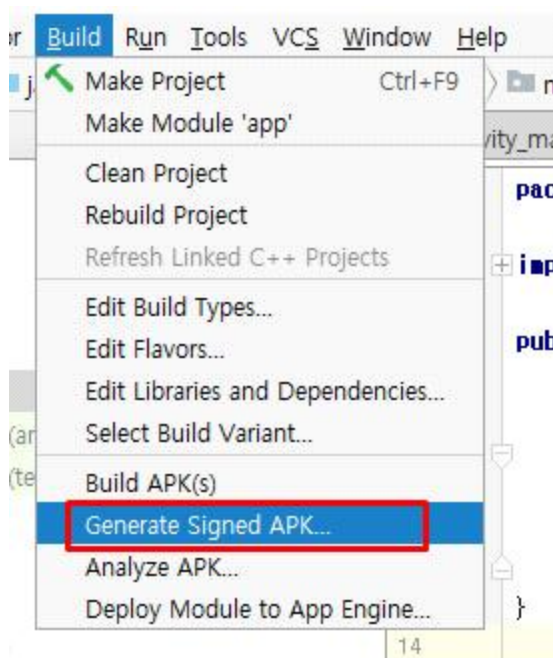


Hello World!

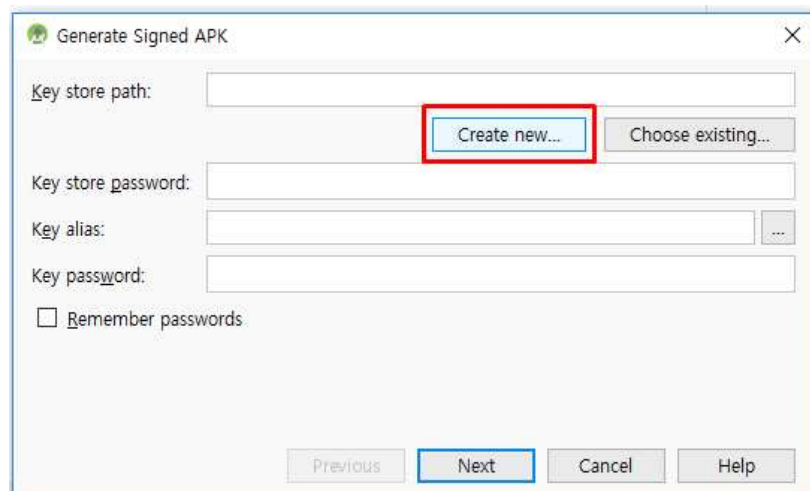


12. apk 파일(배포 파일)을 만들어보자!

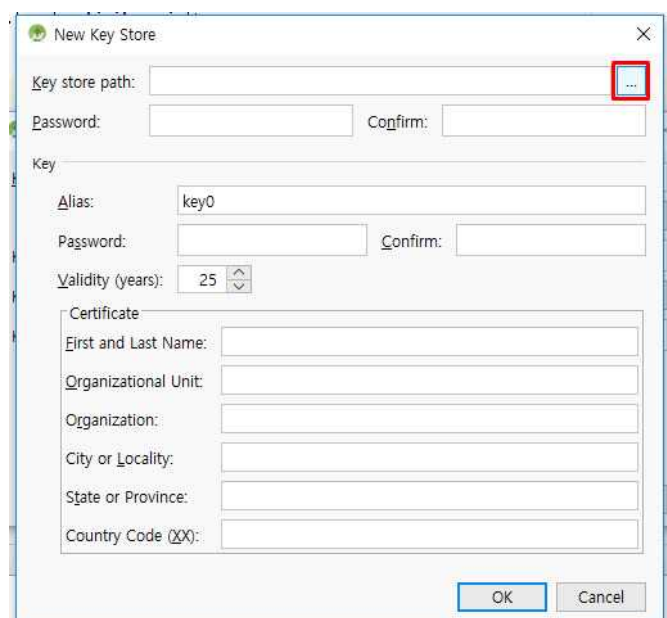
Build -> Generate Signed APK를 누른다.

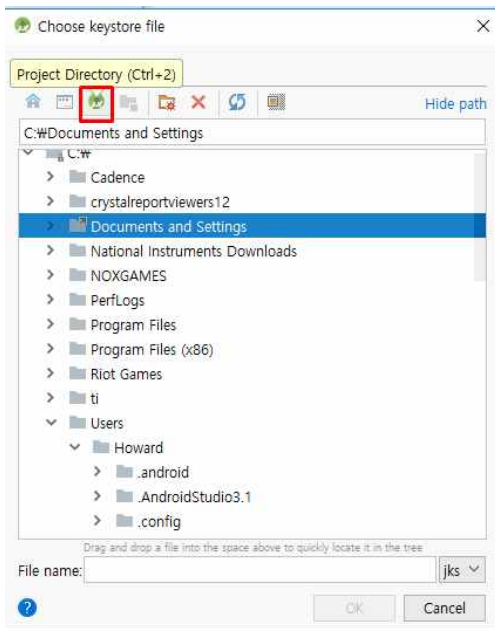


13. Create new...를 클릭한다.

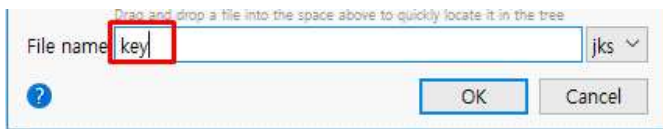


14. Path를 설정한다.

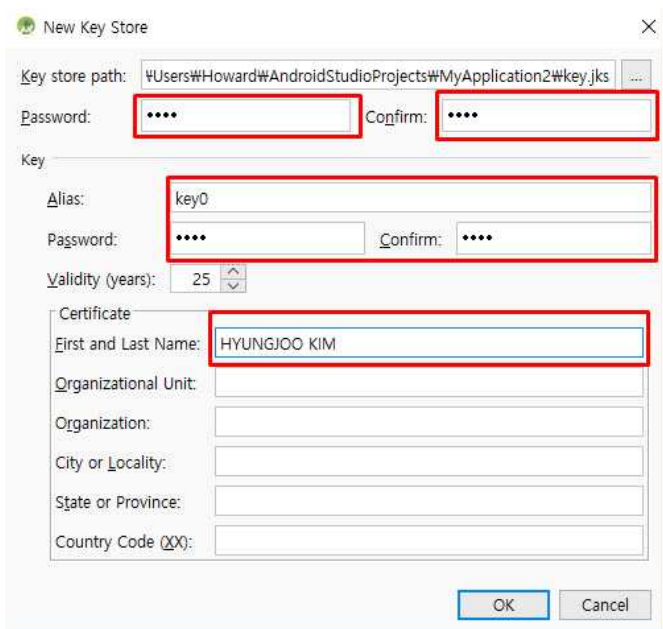




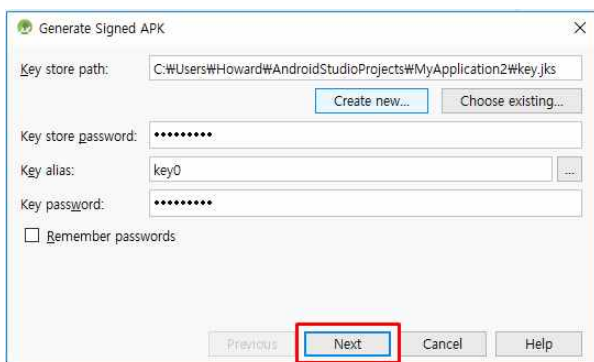
File name을 쓰고, OK를 누른다.

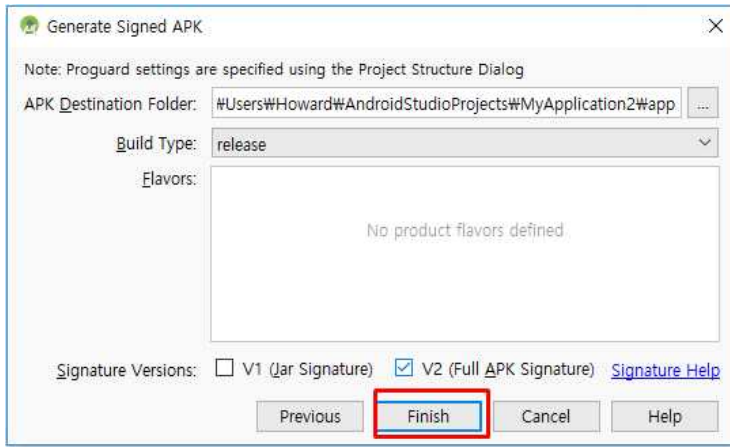


15. 빨간색 네모를 모두 채워준다.



16.





17.아래와 같이 프로젝트 경로에 APK 파일이 생성된다.
이것을 스마트폰에 옮겨서 설치해보자.

