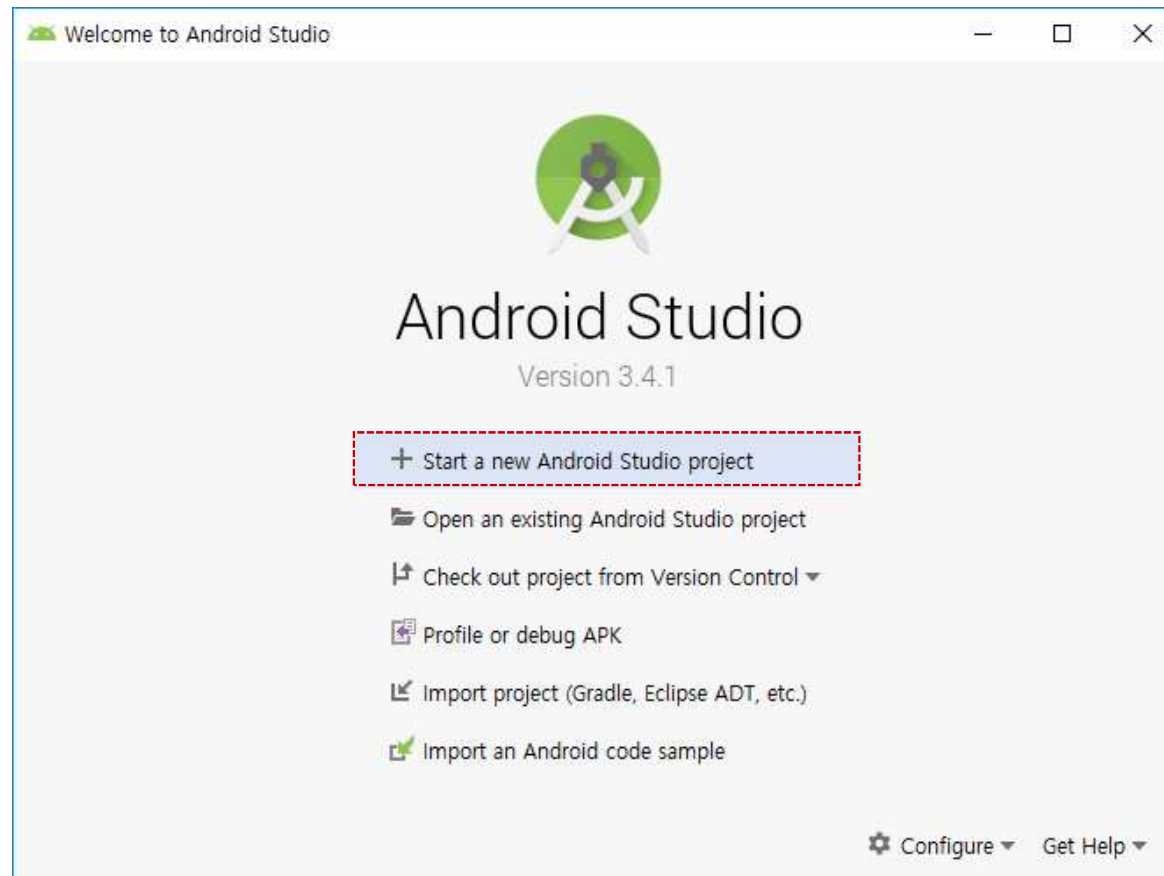


첫 번째 앱 만들고 실행하기

프로젝트 생성



Choose your project

Phone and Tablet

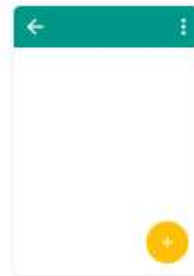
Wear OS

TV

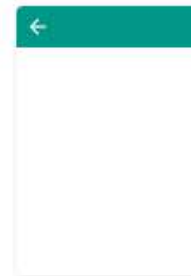
Android Auto

Android Things

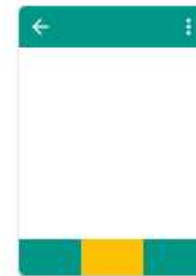
Add No Activity



Basic Activity



Empty Activity



Bottom Navigation Activity



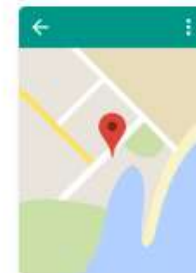
Fullscreen Activity



Master/Detail Flow



Navigation Drawer Activity



Google Maps Activity

Empty Activity

Creates a new empty activity

Previous

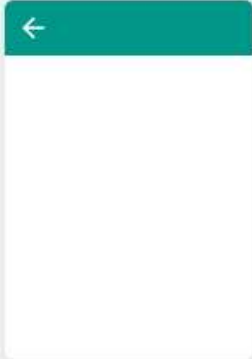
Next

Cancel

Finish

Create New Project

Configure your project



Empty Activity

Creates a new empty activity

Name
AndroidLab

Package name
com.example.user.androidlab

Save location
C:\Users\jwchoi\AndroidStudioProjects\AndroidLab

Language
Java

Minimum API level
API 15: Android 4.0.3 (IceCreamSandwich)

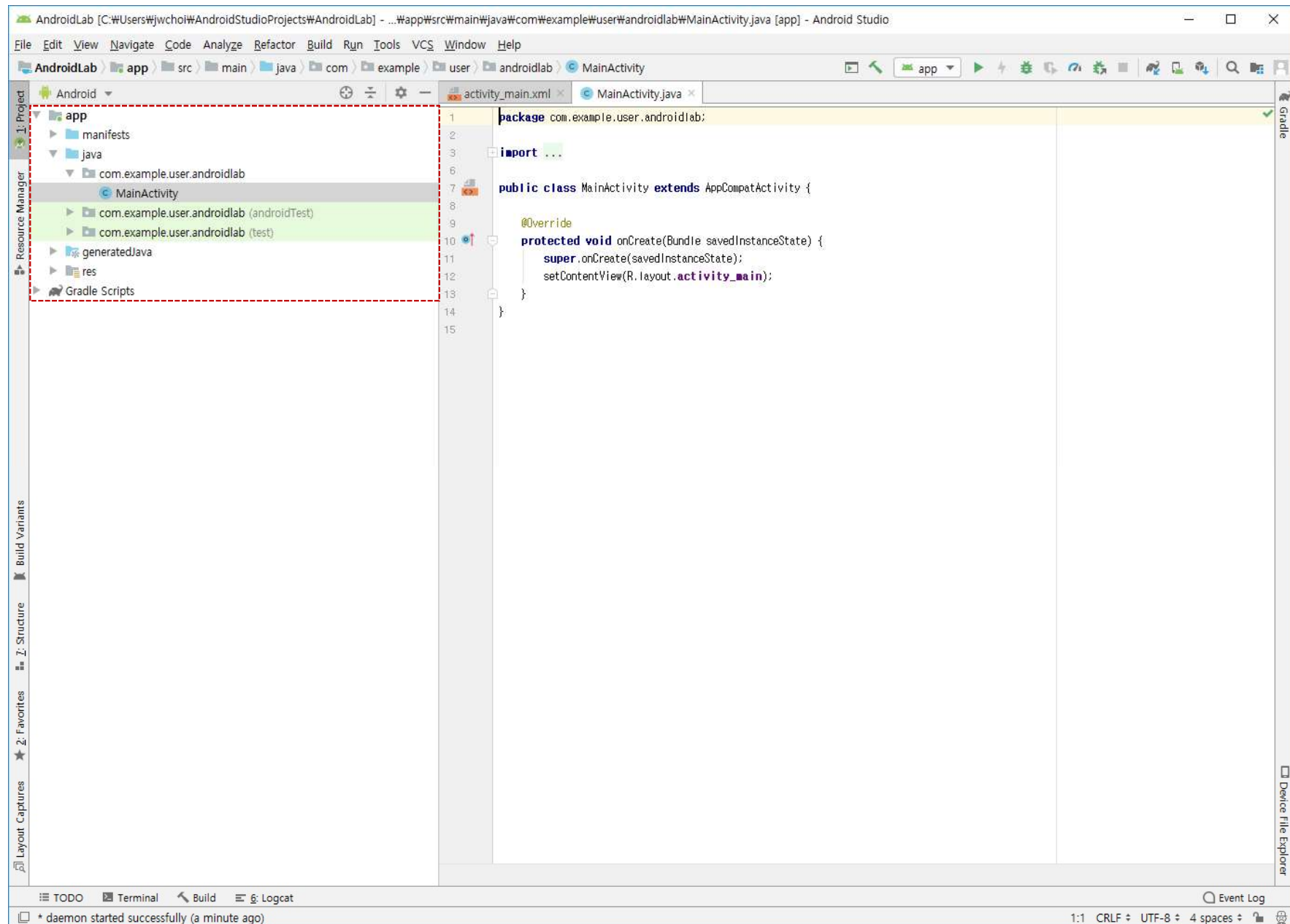
i Your app will run on approximately **100%** of devices.
[Help me choose](#)

☐ This project will support instant apps

☒ Use androidx.* artifacts

Previous Next Cancel Finish

"당신이 개발하려는 앱은 최소 몇 버전의 안드로이드까지 지원하나요?"



AVD 매니저

- AVD (Android Virtual Device)
 - 에뮬레이터
 - 테스트용 가상 기기





Your Virtual Devices

Android Studio



Virtual devices allow you to test your application without having to own the physical devices.

+ Create Virtual Device...

To prioritize which devices to test your application on, visit the [Android Dashboards](#), where you can get up-to-date information on which devices are active in the Android and Google Play ecosystem.



Select Hardware

Android Studio

Choose a device definition



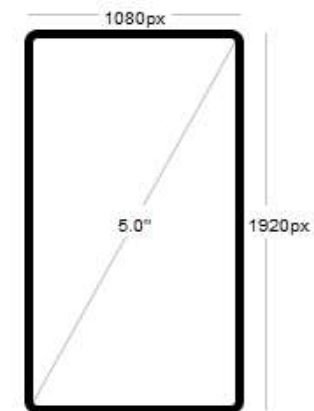
Category	Name ▾	Play Store	Size	Resolution	Density
TV	Pixel XL		5.5"	1440x2560	560dpi
Phone	Pixel 3 XL		6.3"	1440x2960	560dpi
Wear OS	Pixel 3		5.46"	1080x2160	440dpi
Tablet	Pixel 2 XL		5.99"	1440x2880	560dpi
	Pixel 2		5.0"	1080x1920	420dpi
	Pixel		5.0"	1080x1920	420dpi
	Nexus S		4.0"	480x800	hdpi
	Nexus One		3.7"	480x800	hdpi
	Nexus 6P		5.7"	1440x2560	560dpi

New Hardware Profile

Import Hardware Profiles



Pixel 2



Size: large
Ratio: long
Density: 420dpi

Clone Device...

Previous


Next

Cancel

Finish

Help

Virtual Device Configuration



System Image

←리눅스 시스템 이미지

Android Studio

Select a system image


Recommended

x86 Images

Other Images

Release Name	API Level	ABI	Target
Q Download	29	x86	Android 9.0 (Google Play)
Pie Download	28	x86	Android 9.0 (Google Play)
Oreo Download	27	x86	Android 8.1 (Google Play)
Oreo Download	26	x86	Android 8.0 (Google Play)
Nougat Download	25	x86	Android 7.1.1 (Google Play)
Nougat Download	24	x86	Android 7.0 (Google Play)

하드웨어 가속 기능: AVD 구동을 빠르게 해줌



API Level

29

Android

9.0

Google Inc.

System Image

x86

Recommendation

HAXM is not installed.

[Install Haxm](#)

We recommend these Google Play images because this device is compatible with Google Play.

A system image must be selected to continue.

Previous

Next

Cancel

Finish

Help



Android Virtual Device (AVD)

Android Studio

Verify Configuration

AVD Name Pixel 2 API 29



Pixel 2

5.0 1080x1920 xxhdpi

Change...



Q

Android 9.+ x86

Change...

Startup orientation



Portrait



Landscape

Emulated
Performance

Graphics: Automatic

Device Frame ☒ Enable Device Frame

Show Advanced Settings

AVD Name

The name of this AVD.

Previous

Next

Cancel

Finish

Help



Android Virtual Device (AVD)

Android Studio

Verify Configuration

(no snapshots) ▼

☒ Multi-Core CPU 2 ▼

Memory and Storage

RAM:	1536	MB ▼
VM heap:	256	MB ▼
Internal Storage:	2048	MB ▼
SD card:	<input checked="" type="radio"/> Studio-managed 512 MB ▼ <input type="radio"/> External file	

Device Frame ☒ Enable Device Frame

Custom skin definition pixel_2 ▼

Keyboard ☒ Enable keyboard input

Lets you enter text and interact with the AVD using your hardware computer keyboard in addition to the on-screen soft keyboard.

Enable keyboard input

Lets you enter text and interact with the AVD using your hardware computer keyboard in addition to the on-screen soft keyboard.

Hide Advanced Settings

Previous


Next

Cancel

Finish






Help

Android Virtual Device Manager





Your Virtual Devices

Android Studio

Type	Name	Play Store	Resolution	API	Target	CPU/ABI	Size on Disk	
	Pixel 2 API 29		1080 x 1920: 420dpi	29	Android 9.+ (Google Play)	x86	8.7 GB	<div></div>

+ Create Virtual Device...

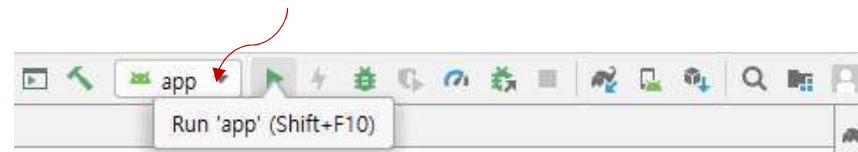


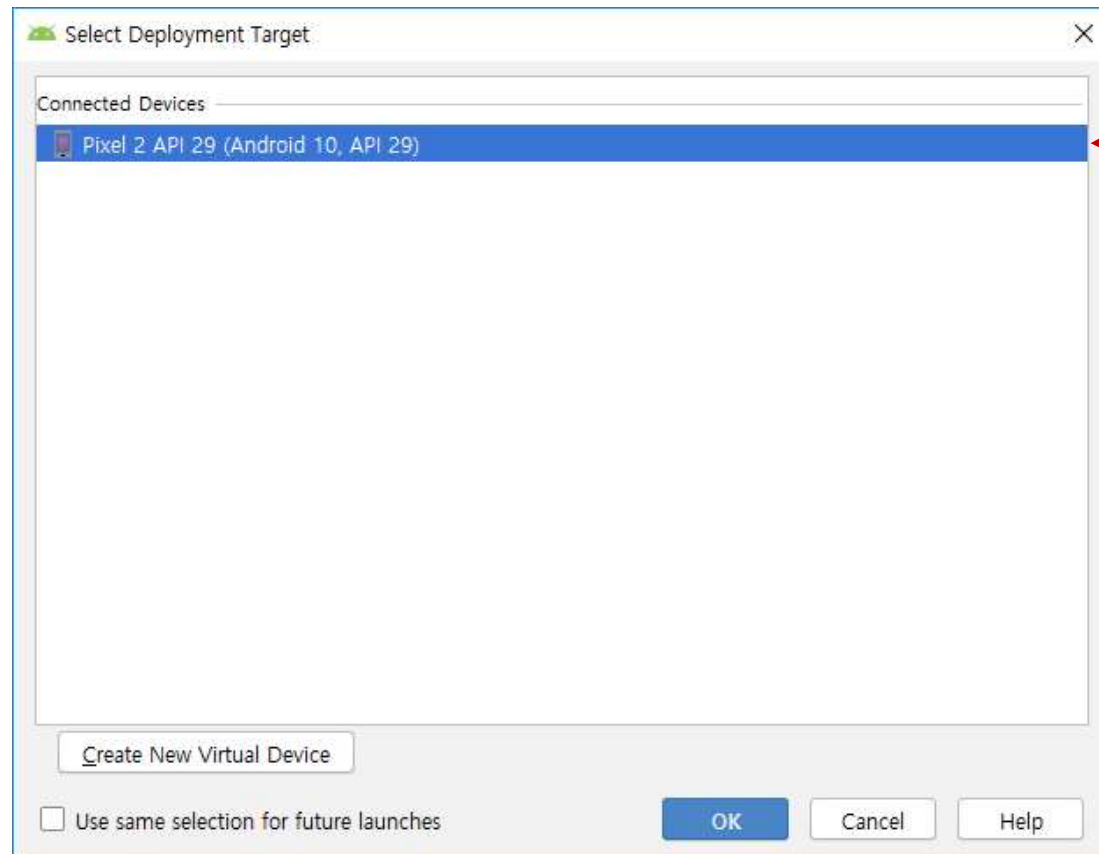
Launch this AVD in the emulator



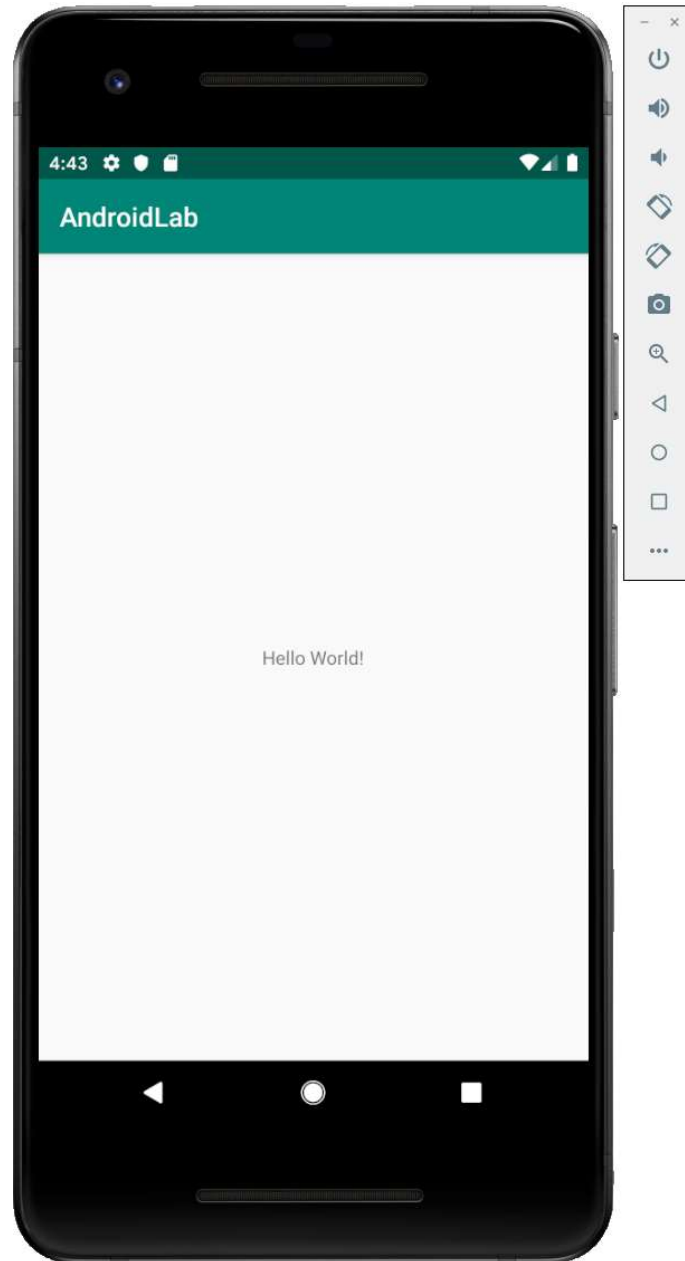
AVD에서 실행

실행하려는 모듈을 선택

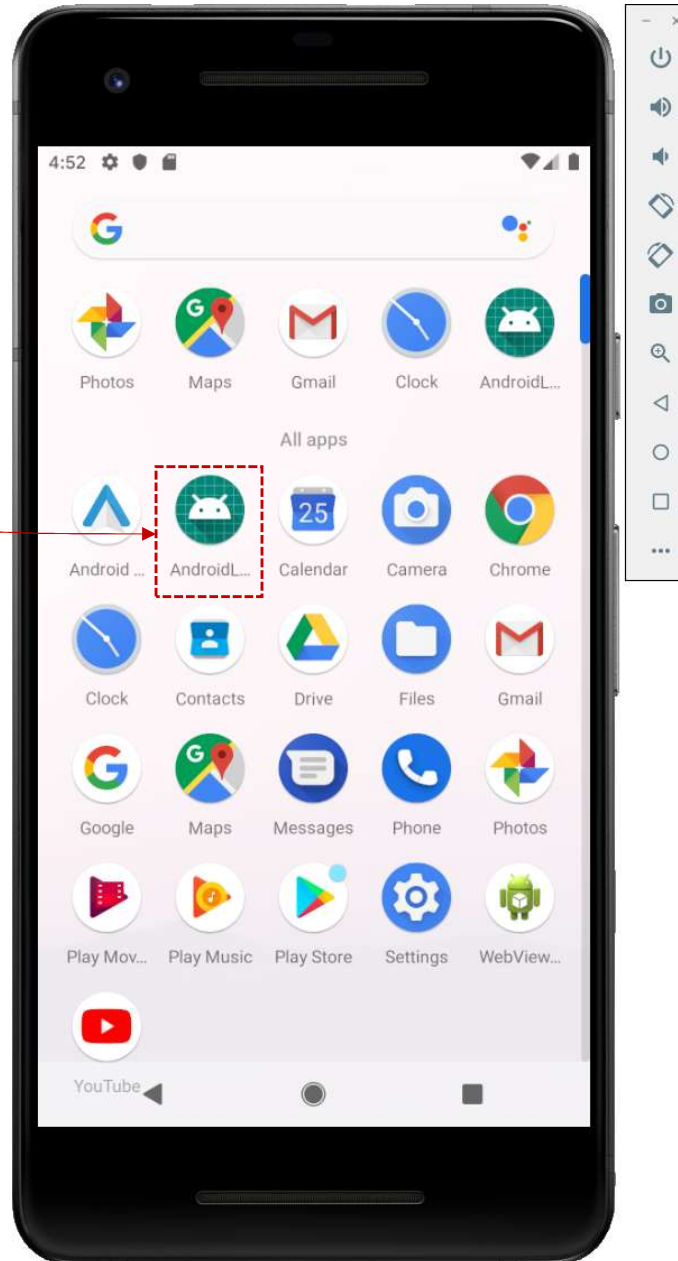




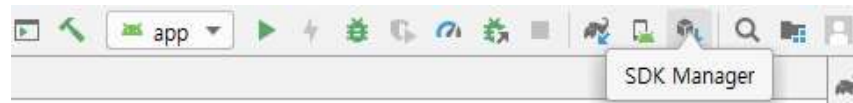
실행 기기 선택



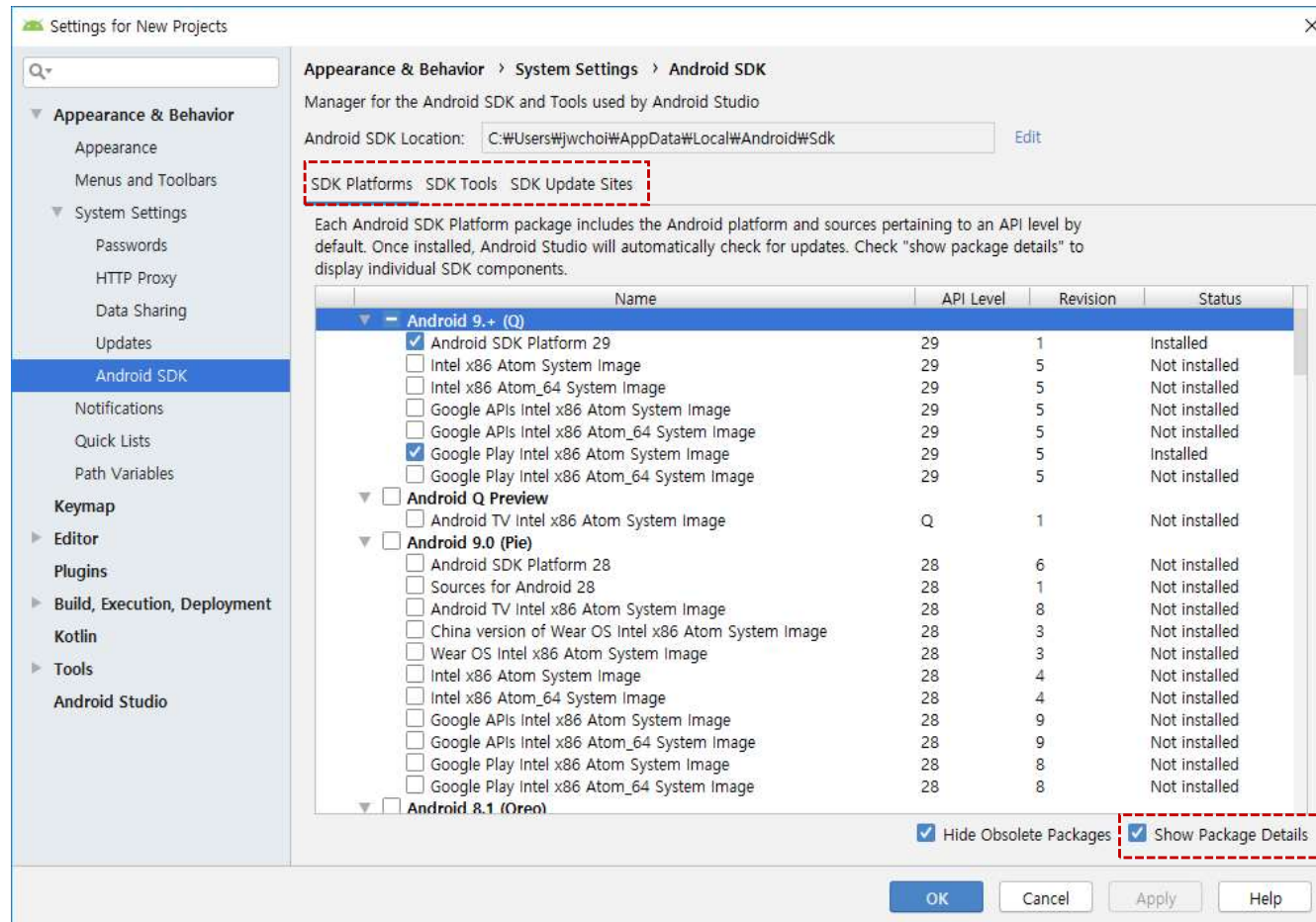
방금 실행한 앱이 설치된 것



개발 편의를 위한 설정 – SDK 매니저 확인

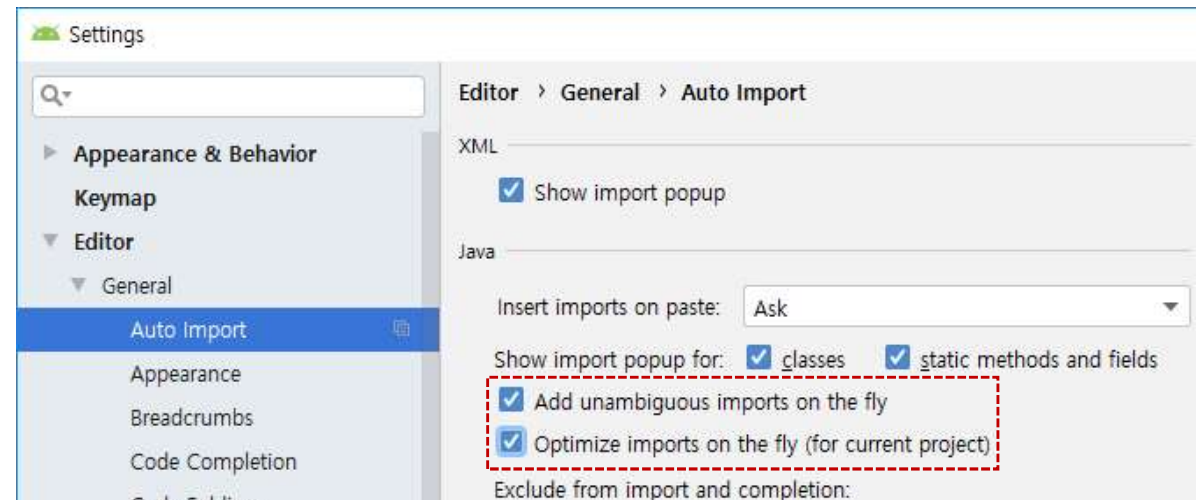
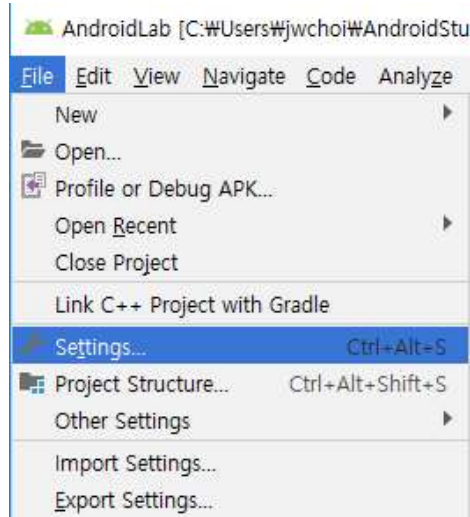


개발 편의를 위한 설정 – SDK 매니저 확인



개발 편의를 위한 설정 - 자동 импорт 설정

코드 개발 시 import 구문을 위한 단축키(Ctrl + Shift + O)를 누르지 않아도 됨



개발 편의를 위한 설정 - 로그캣 필터링

