This document is about installation of android studio. It also cover some of its background.

https://developer.android.com/studio

Part of our lab we will use android studio and it had already pre-installed in lab PC. You can find "Android Studio" in here: "Start Menu->Android Studio->Android Studio". For best practice, put all your work into D drive and you must clean them up at the end of lab.
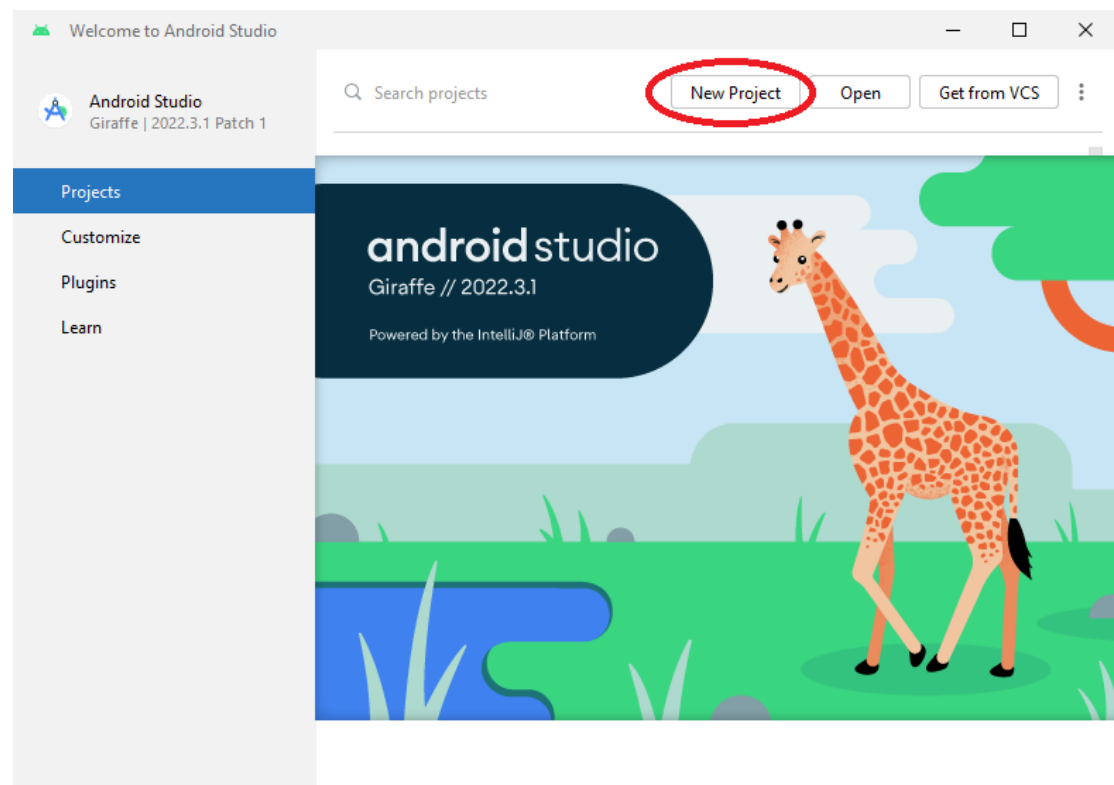

1. Click "New Project"
2. Select an "Empty Views Activity" project and click "Next"
3. Use the default Activity and Layout Name. Click Finish
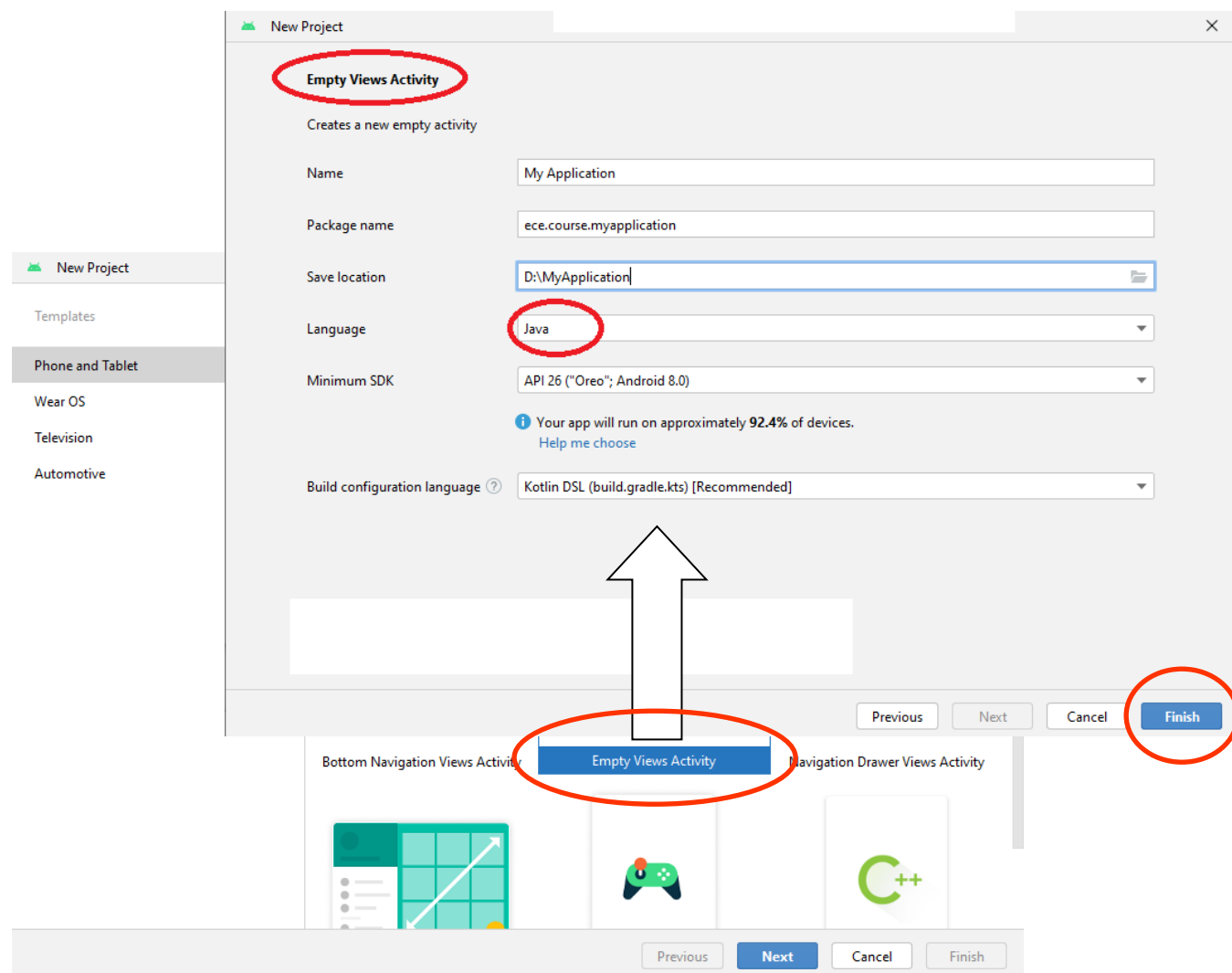
4. To run your App, Click Build->Build Bundle(s)/APK(s)-> Build APK(s)


You can find APK here, put it inside a folder in your phone
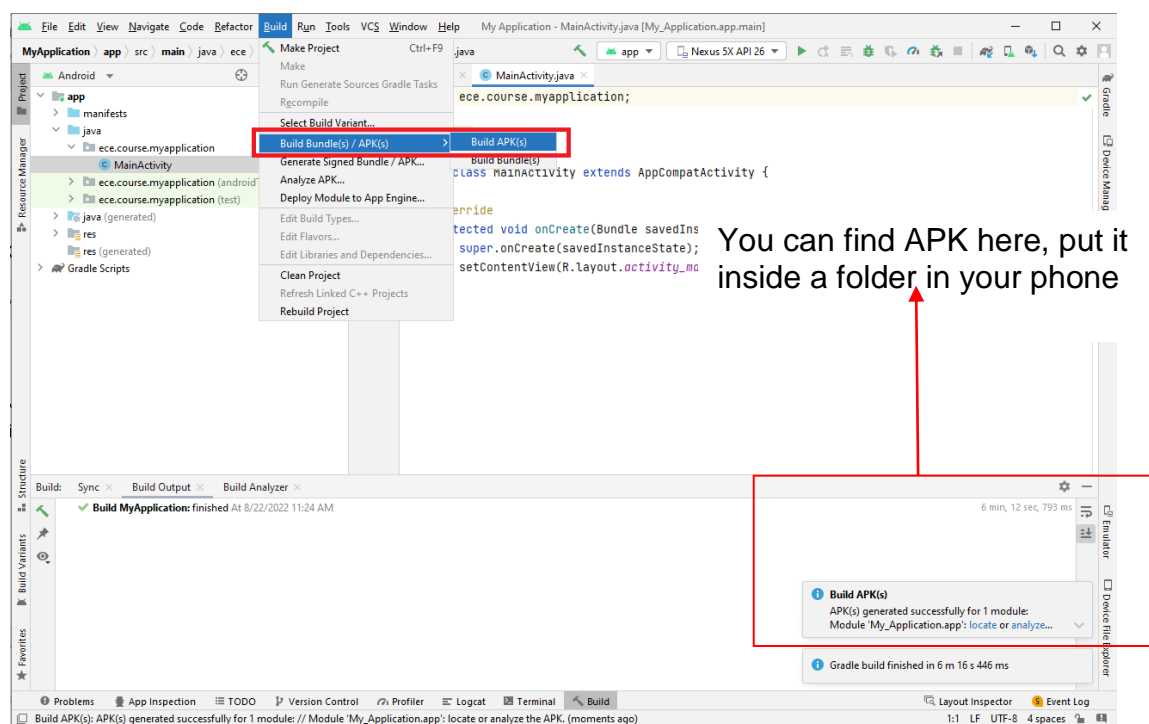
5. If you have your own android device, connect it with USB cable, put the APK file into "Download folder"(or any other folders) on the device. Click and run the APP on the device.

6. If you want to run the APP directly on your device.
   1) First, enable USB debugging option on your device.
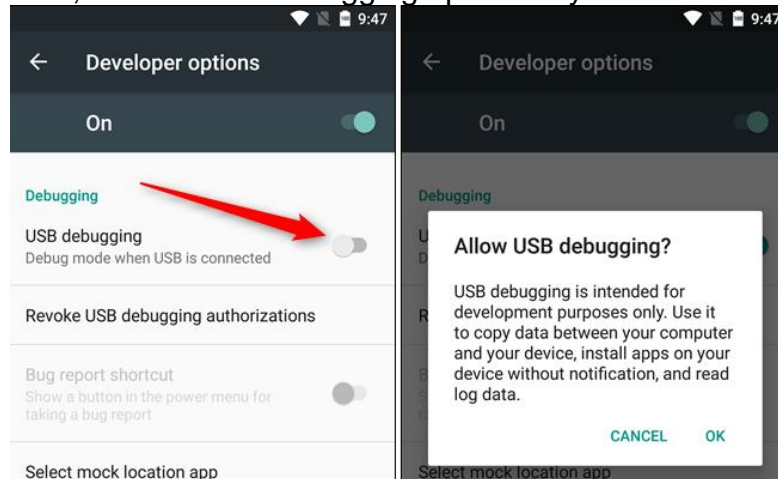

   2) Connect your device with USB cable to the PC
   3) If you cannot found Developer Options Menu, please read this thread (android-developer-options-is-missing)
   4) Run->Run 'app', to run the app on your mobile

7. Once you saw "APK(s) generated successfully". This part is finished and your setup should be fine.

   Important: (Right-click, Open Module Settings)
   1) Should always compile with the latest sdk version
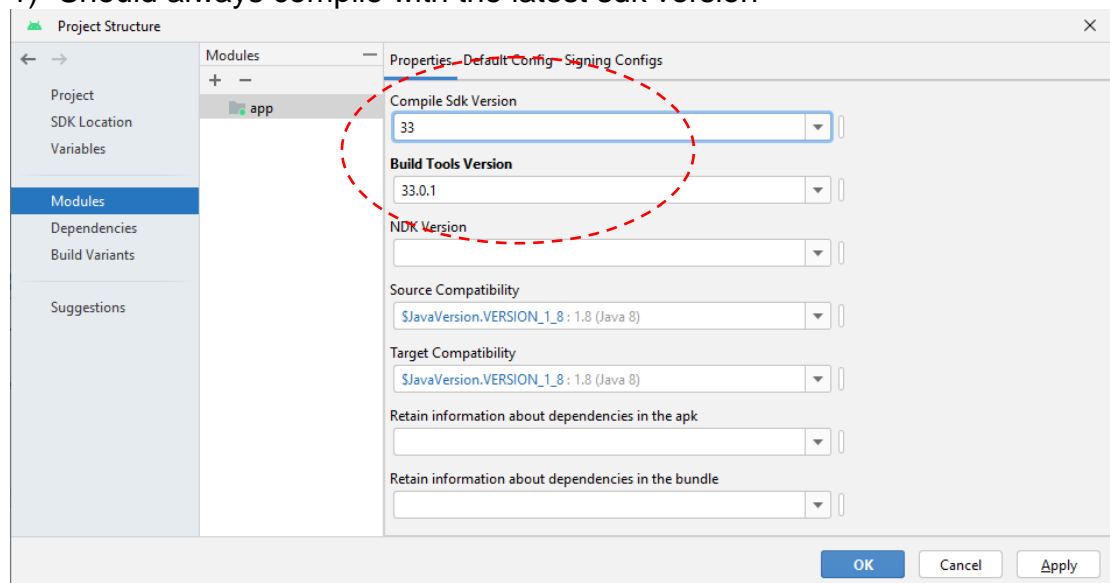
   2) For Target SDK Version, choose a version that match to your mobile/emulator android version.
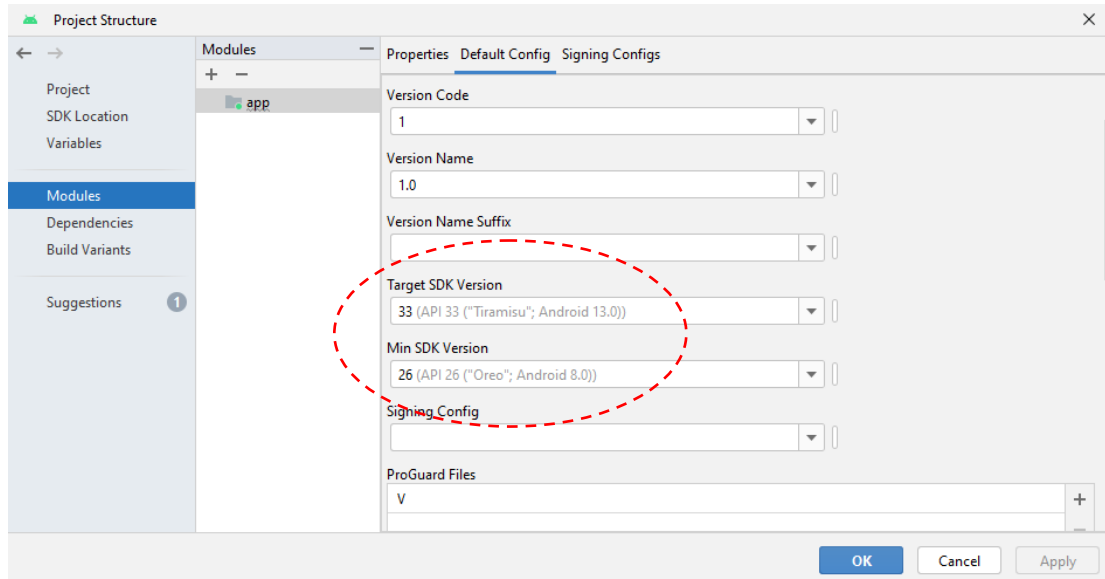
3) If you find something is missing and you cannot find a particular android version, go to Tools -> SDK Manager to download, you can go to either SDK Platforms/SDK Tools. Sometimes you need to click "Show Package Details" to show particulars.

In this example, I use Android13.0(Google APIs) x86_64 to show the result
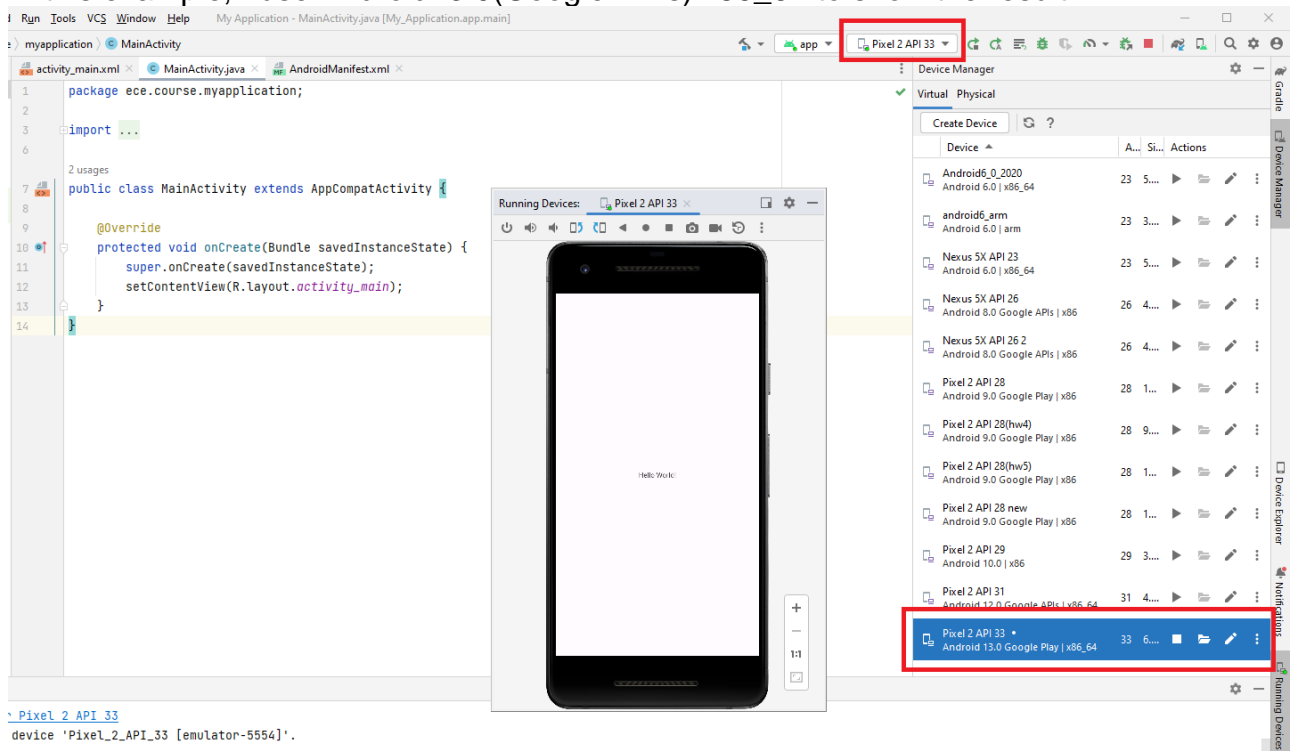
Note: This is for demo purpose. It is not a strict requirement to run result in simulator. If you had android device, it is nice you run on it instead