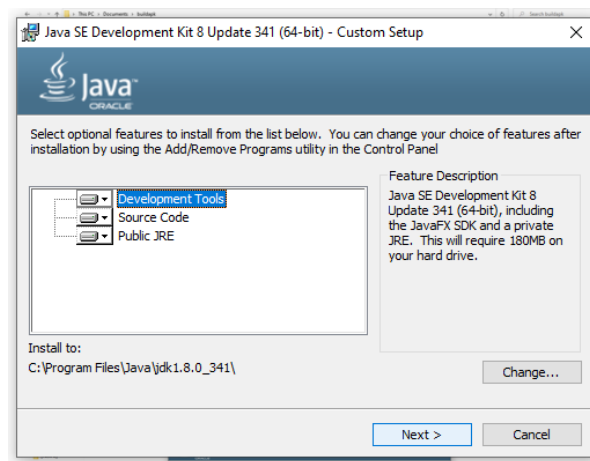
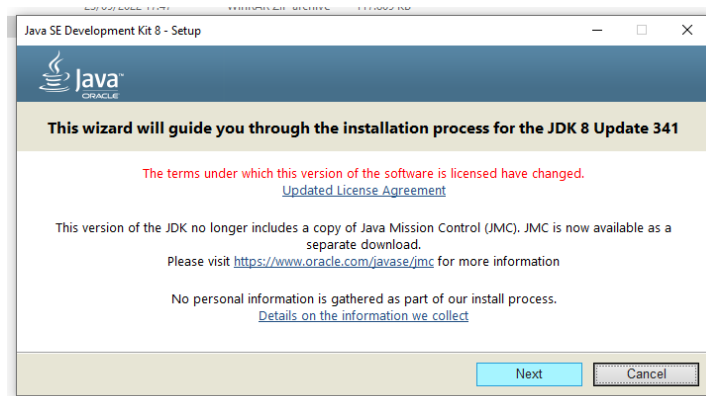
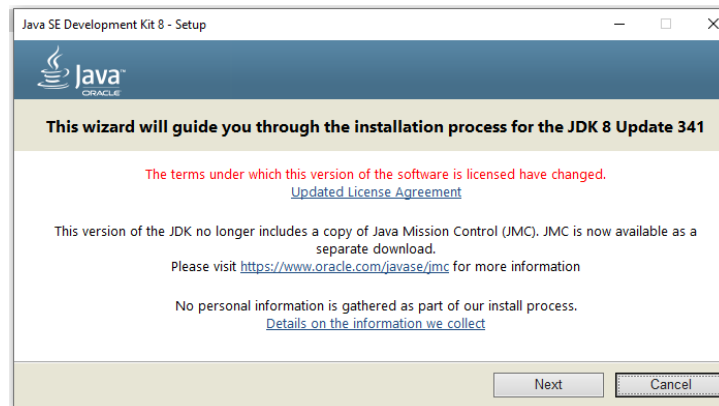
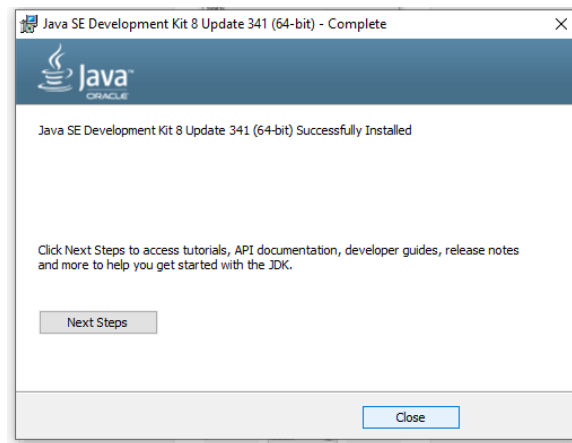
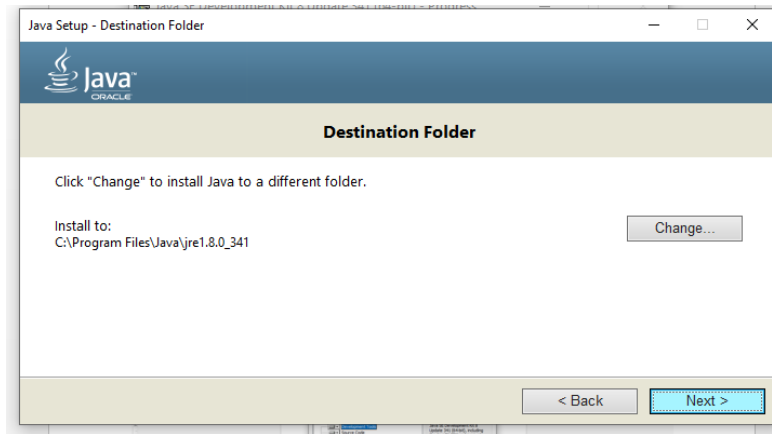
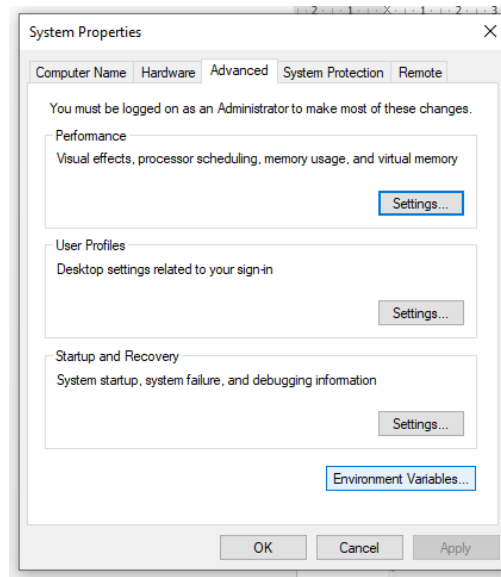


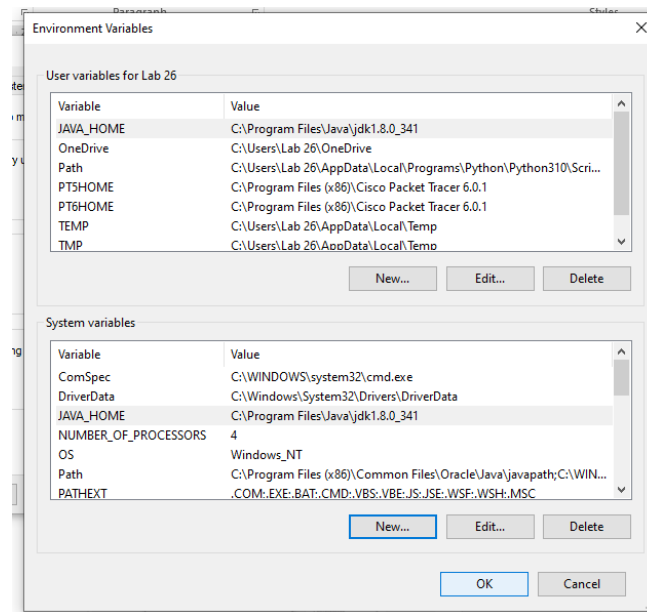
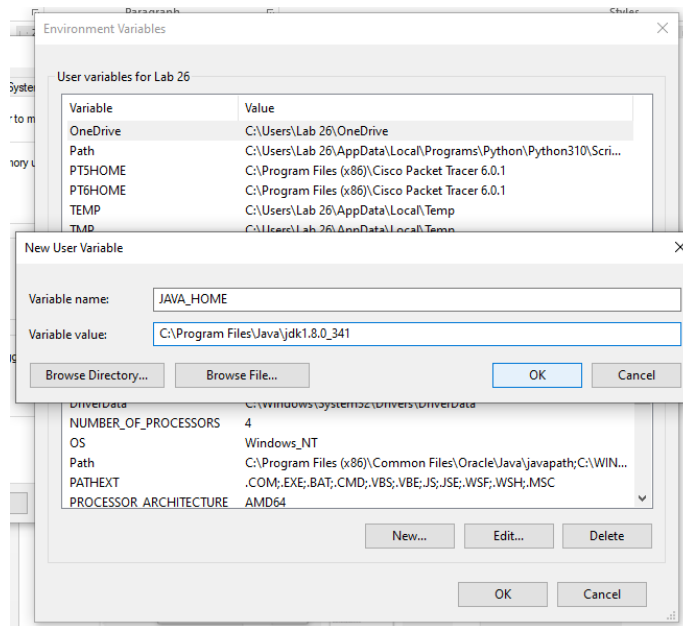
Install Java JDK 8 (sesuai dengan bit komputer/pc anda)



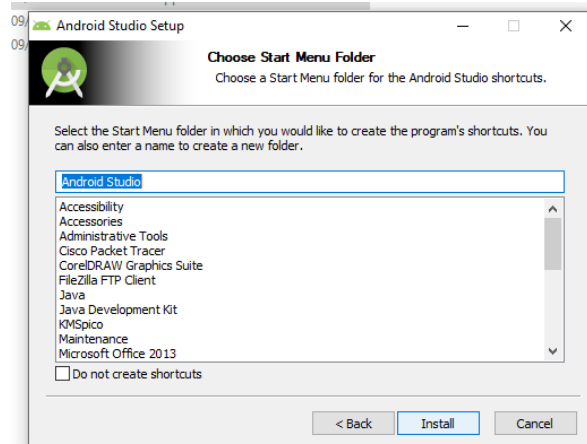
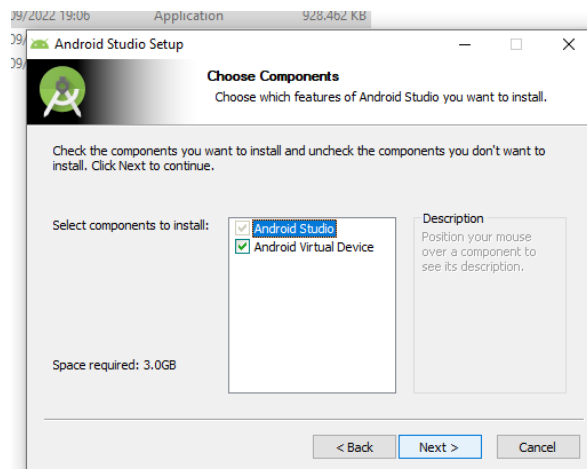
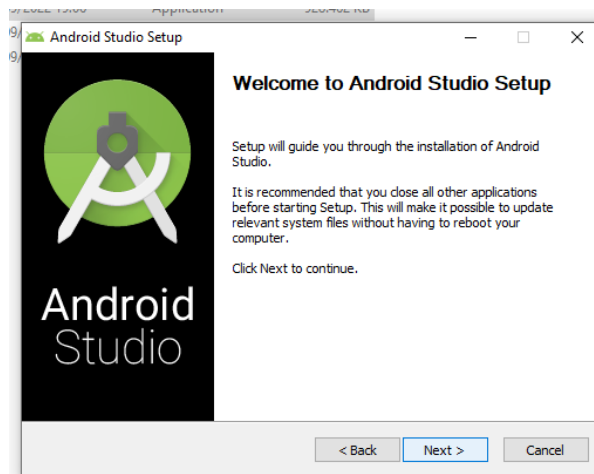


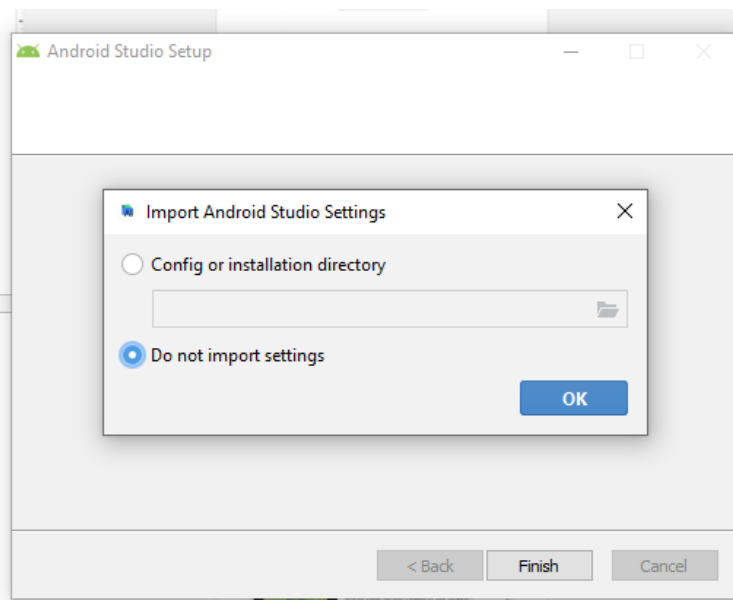
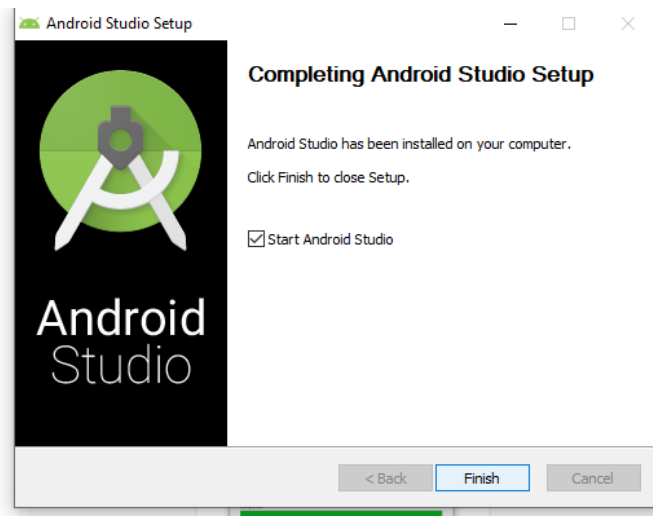
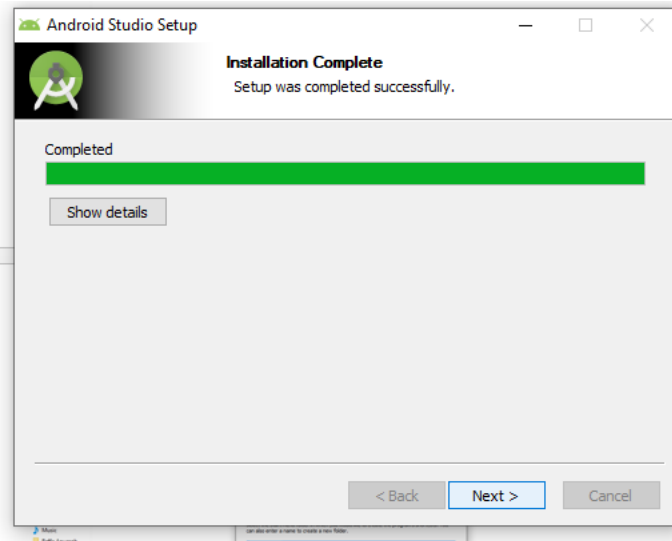
Tambahkan variable JAVA\_HOME pada Environment Variables

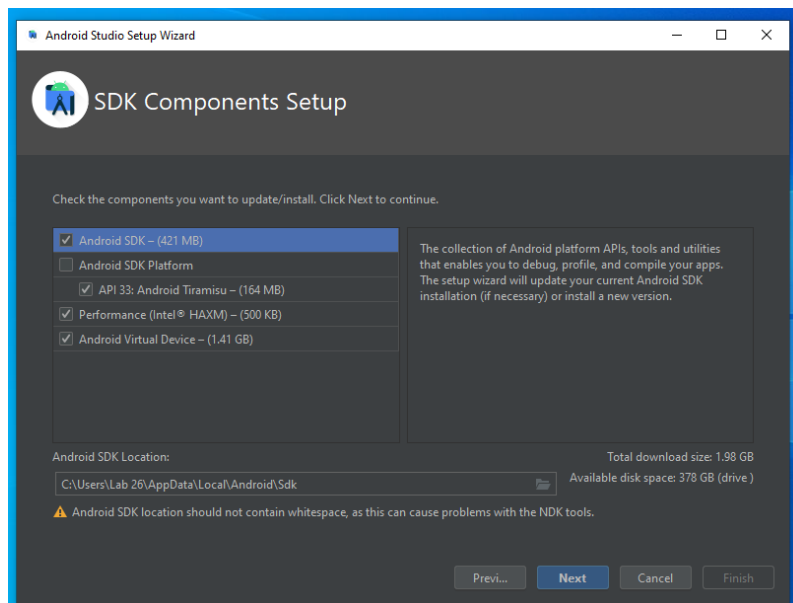
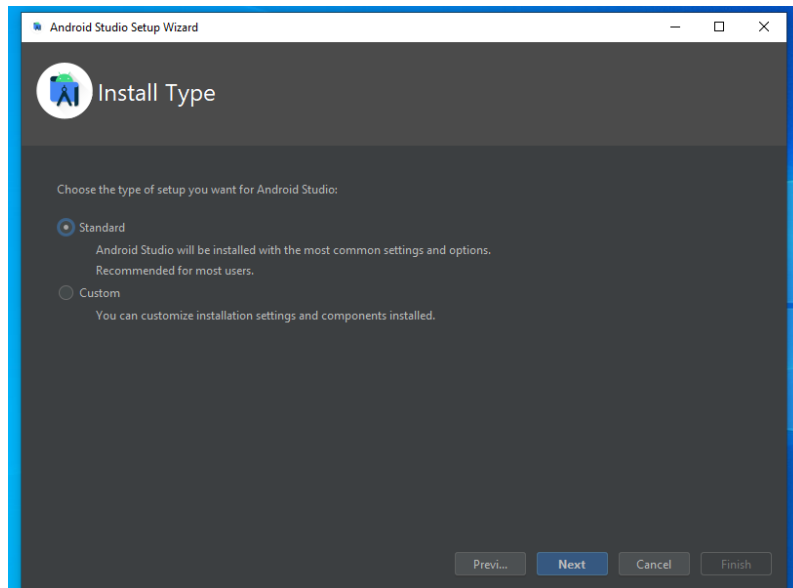




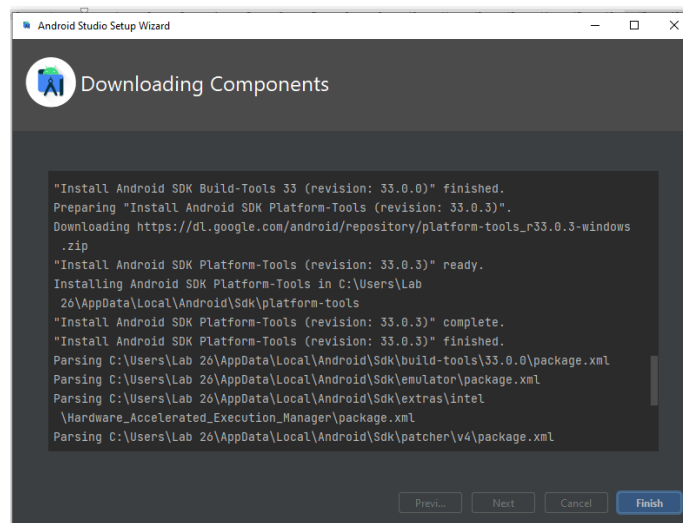
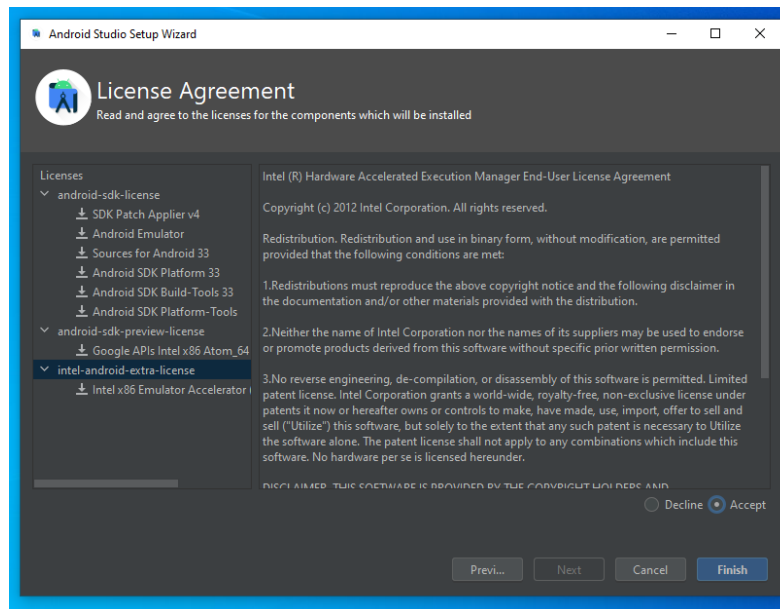
Selanjutnya install Android Studio



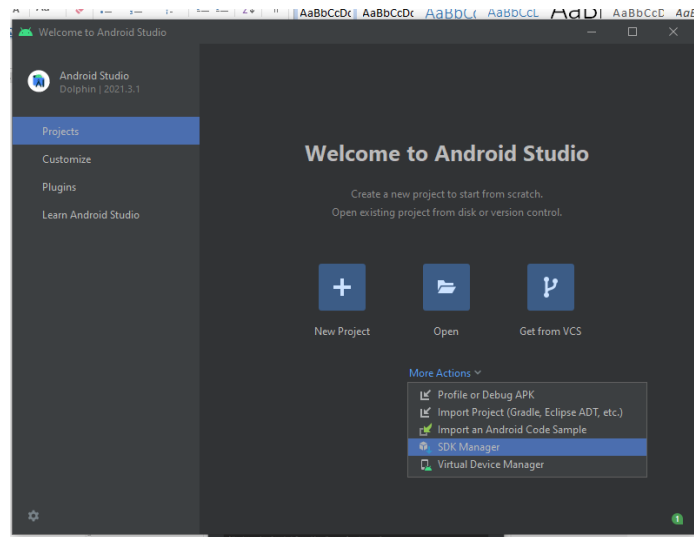




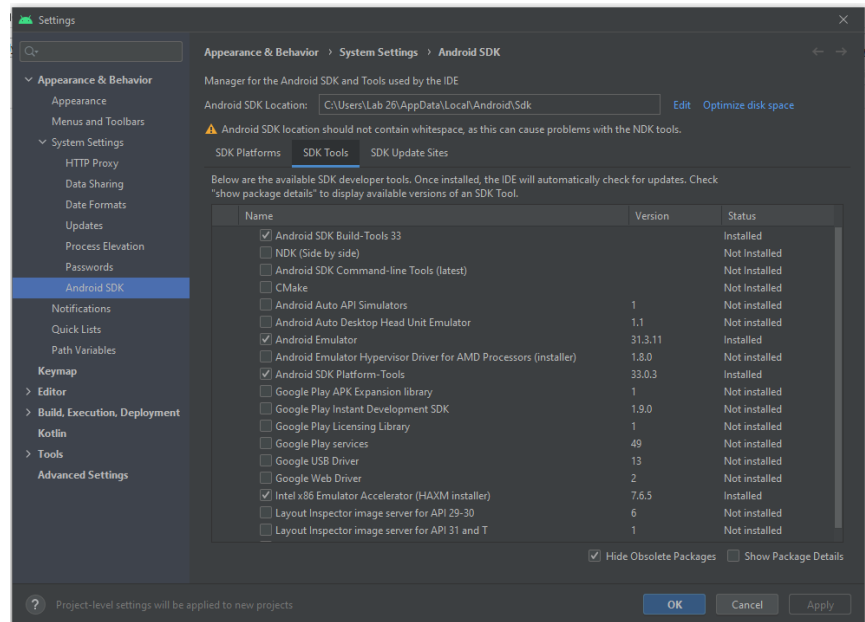
Accept semua license



Klik More Actions, lalu pilih SDK Manager

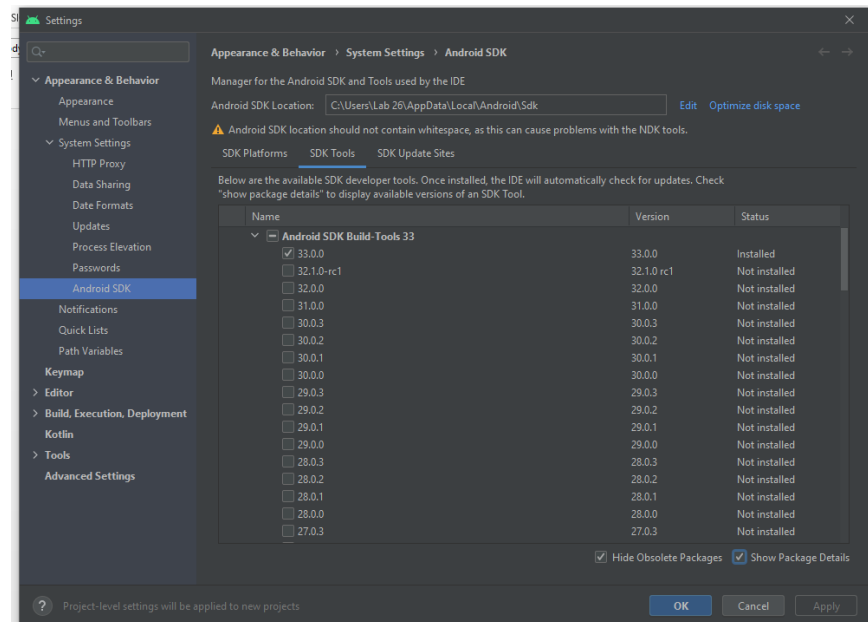


Lalu pilih SDK Tools

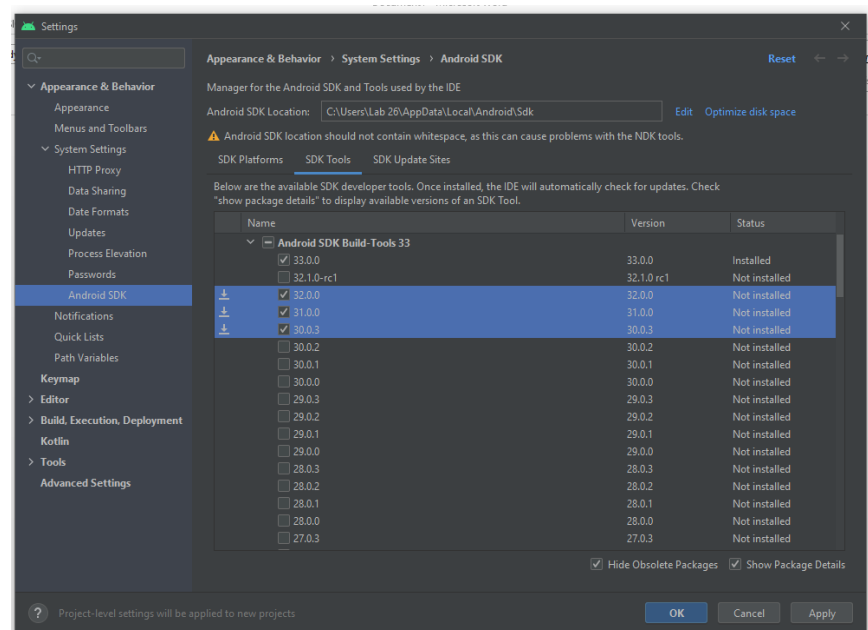


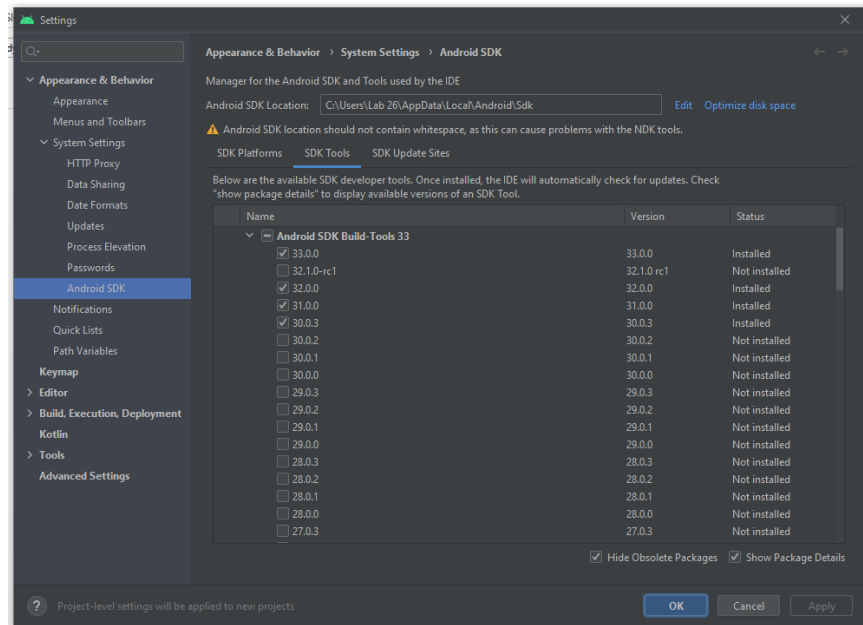
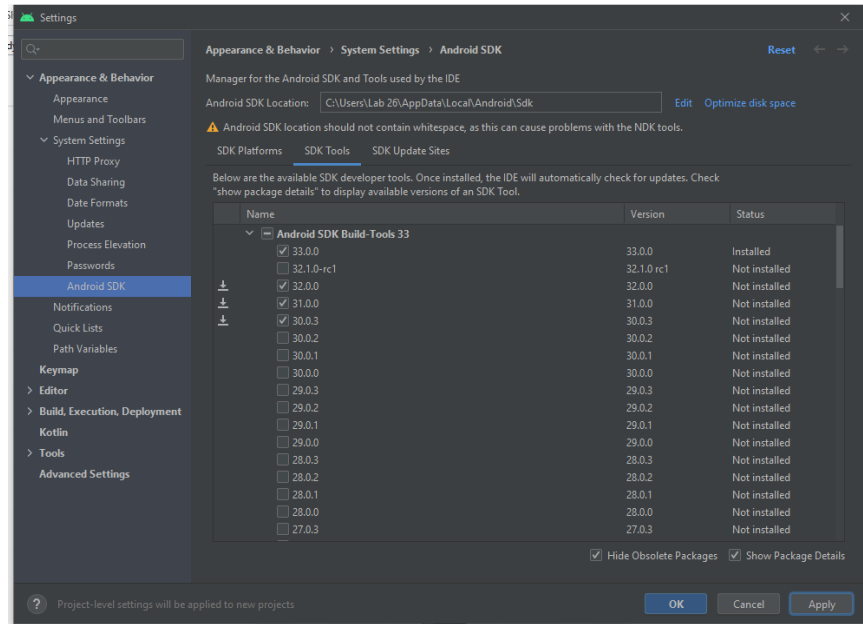


Klik Show Packages

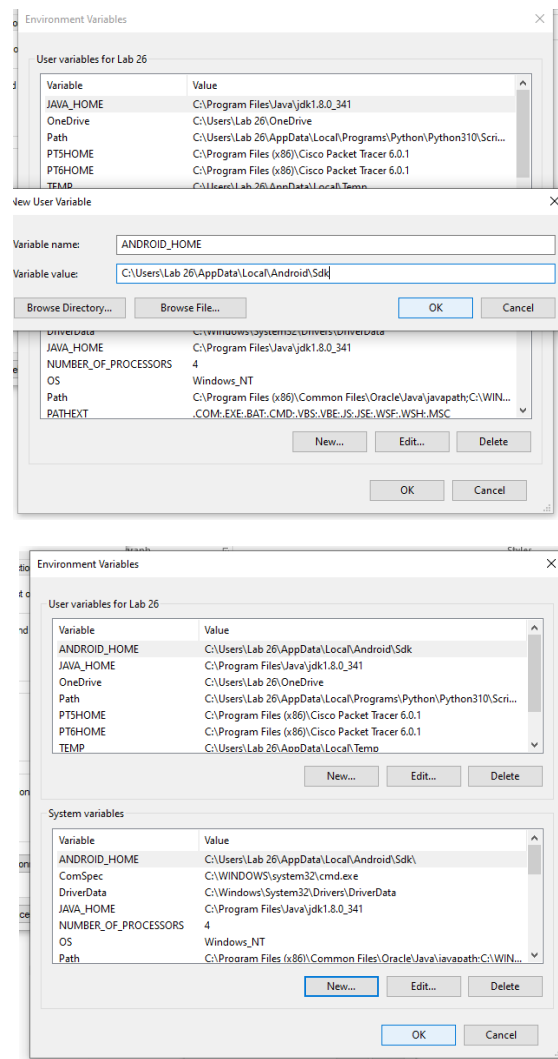


Pilih dari 32.0.0 sampai 30.0.3

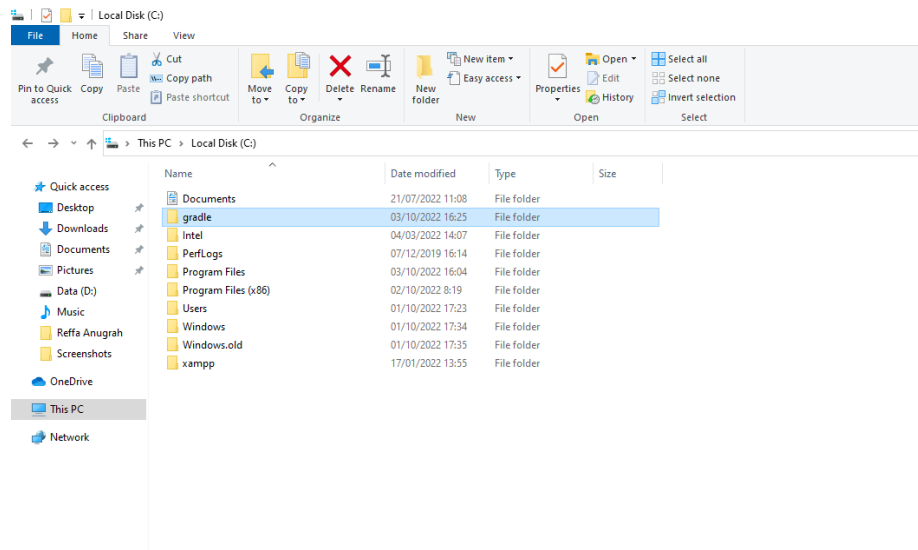




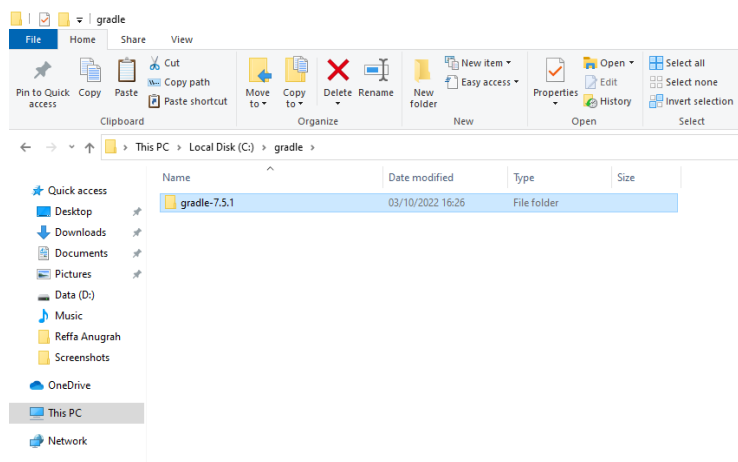
Lalu masukan ANDROID\_HOME pada Environment Variables



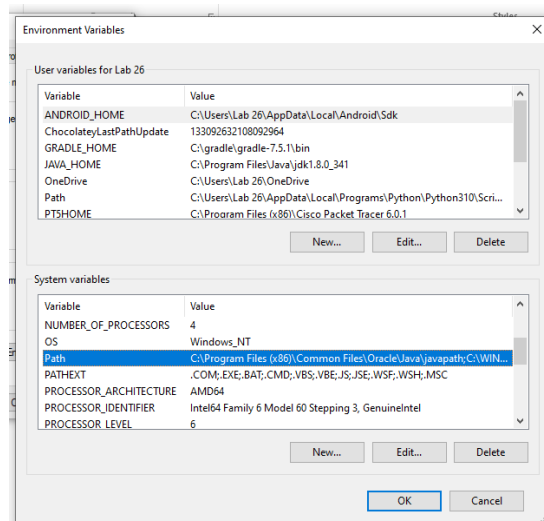
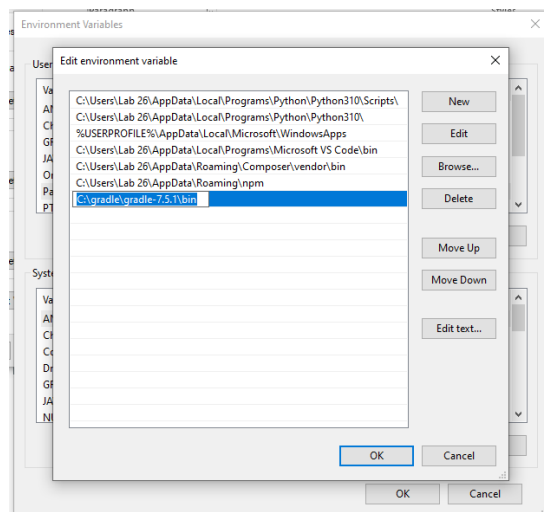
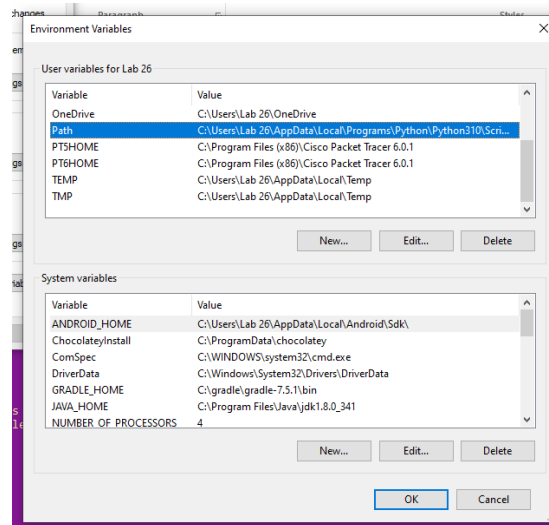
Selanjutnya buat folder gradle pada Folder C:

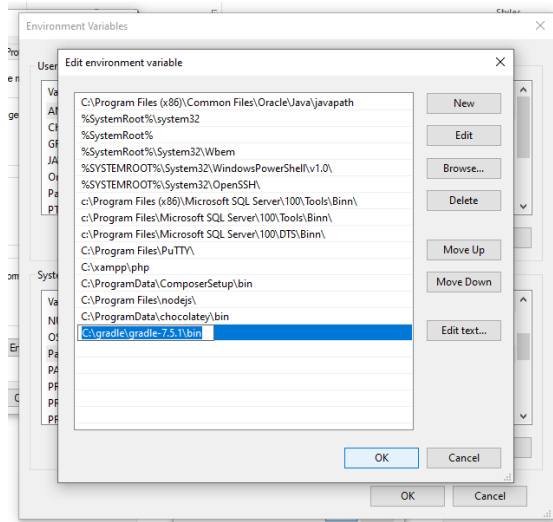


Copy gradle yang sudah di ekstrak ke dalam folder gradle tersebut

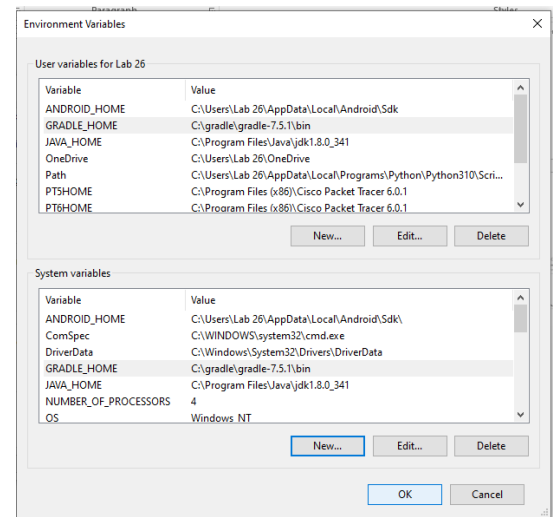
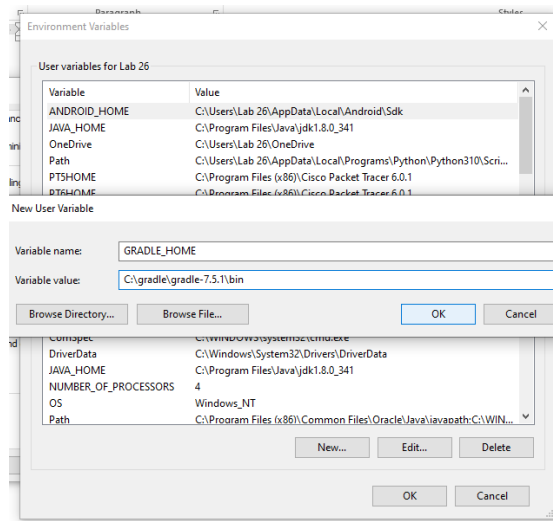


Selanjutnya tambahkan gradle pada Path di Environment Variables





Tambahkan GRADLE\_HOME pada Environment Variables



Kemudian buka cmd, lalu install cordova terlebih dahulu

```
C:\WINDOWS\system32\cmd.exe
C:\Users\Lab 26>npm install cordova -g cordova
```

Selanjutnya buat project baru

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.
C:\Users\Lab 26>ionic start applab26 tabs --cordova_
```

Jika proses membuat project baru selesai maka akan muncul seperti ini

```
Windows PowerShell
Found compatible package version: @ionic/cordova-builders@7.0.0.
- Loading package information from registry...
Package information loaded.
- Installing packages...
Packages successfully installed.
UPDATE angular.json (5271 bytes)

Join the Ionic Community!
Connect with millions of developers on the Ionic Forum and get access to live events, news updates, and more.
  Create free Ionic account? No

Your Ionic app is ready! Follow these next steps:
- Go to your new project: cd .\applab26
- Run ionic serve within the app directory to see your app in the browser
- Run ionic cordova platform add to add a native iOS or Android project using Cordova
- Generate your app icon and splash screens using cordova res
- Explore the Ionic docs for components, tutorials, and more: https://ion.link/docs
- Building an enterprise app? Ionic has Enterprise Support and Features: https://ion.link/enterprise-edition

C:\Users\Lab 26>cd applab26
C:\Users\Lab 26\applab26>ionic serve
> ng.cmd run app:serve --host=localhost --port=8100
[ng] - Generating browser application bundles (phase: setup)...
[ng] - Browser application bundle generation complete.
[ng] Initial Chunk Files
[ng] Initial Chunk Files
```

Buka cmd baru, lalu panggil nama project seperti dibawah

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lab 26>cd applab26

C:\Users\Lab 26\applab26>
```

Selanjutnya ketik command berikut untuk build apk

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Lab 26>cd applab26

C:\Users\Lab 26\applab26>ionic cordova build android
```

Setelah proses build ini selesai, maka akan menghasilkan seperti ini.

```
C:\WINDOWS\system32\cmd.exe
Mapping new ns http://schemas.android.com/sdk/android/repo/repository2/03 to old ns http://schemas.android.com/sdk/android/repo/repository2/01
Mapping new ns http://schemas.android.com/sdk/android/repo/sys-img2/03 to old ns http://schemas.android.com/sdk/android/repo/sys-img2/01
Mapping new ns http://schemas.android.com/sdk/android/repo/sys-img2/02 to old ns http://schemas.android.com/sdk/android/repo/sys-img2/01

> Task :CordovaLib:compileDebugJavaWithJavac
Note: Some input files use or override a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

> Task :app:compileDebugJavaWithJavac
Note: Some input files use or override a deprecated API.
Note: Recompile with -Xlint:deprecation for details.

Deprecated Gradle features were used in this build, making it incompatible with Gradle 8.0.

You can use '--warning-mode all' to show the individual deprecation warnings and determine if they come from your own scripts or plugins.

See https://docs.gradle.org/7.1.1/userguide/command_line_interface.html#sec:command_line_warnings

BUILD SUCCESSFUL in 6m 25s
48 actionable tasks: 48 executed
Built the following apk(s):
  C:\Users\Lab 26\applab26\platforms\android\app\build\outputs\apk\debug\app-debug.apk
```



Untuk menginstall aplikasi di android bisa dilakukan untuk membuka folder seperti dibawah ini dan dapat diinstal pada handphone.

