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Upgrade Gradle version professionally in Flutter

Abdalla M.Shihab · Follow

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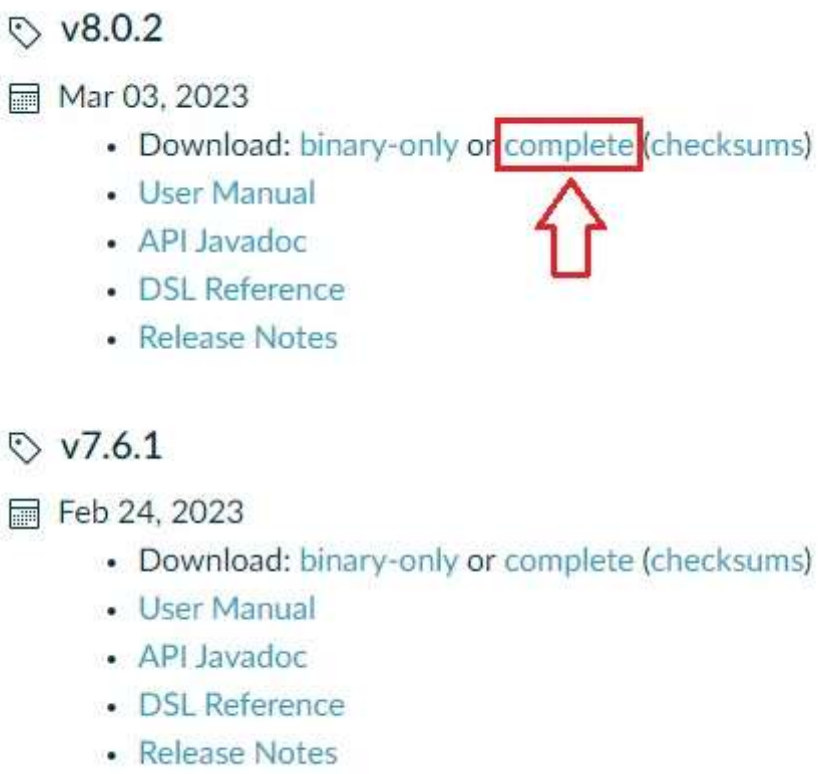
Hey everyone! In this article we are going to upgrade Gradle version in Flutter with Android Studio environment in a professional way. Old Gradle versions can cause a lot of problems. So in this deep article we will learn how to upgrade it.

I will divide the explanation into two parts, the first talks about how to upgrade the Gradle in the operating system, and the second talks about how to upgrade the Gradle in our project on the Android studio.

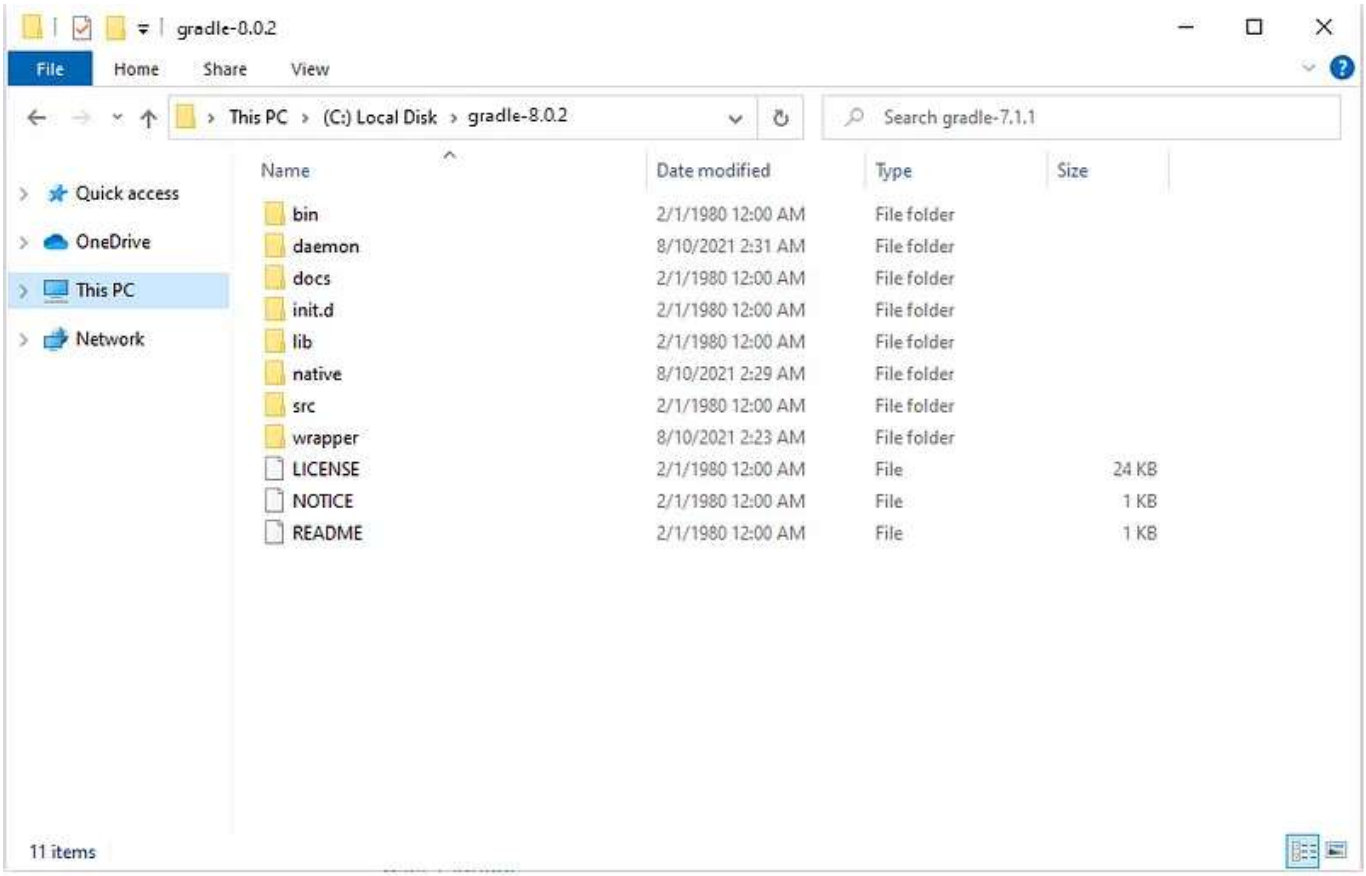
Part one:

First step :

1-We need to download lasted Gradle version.

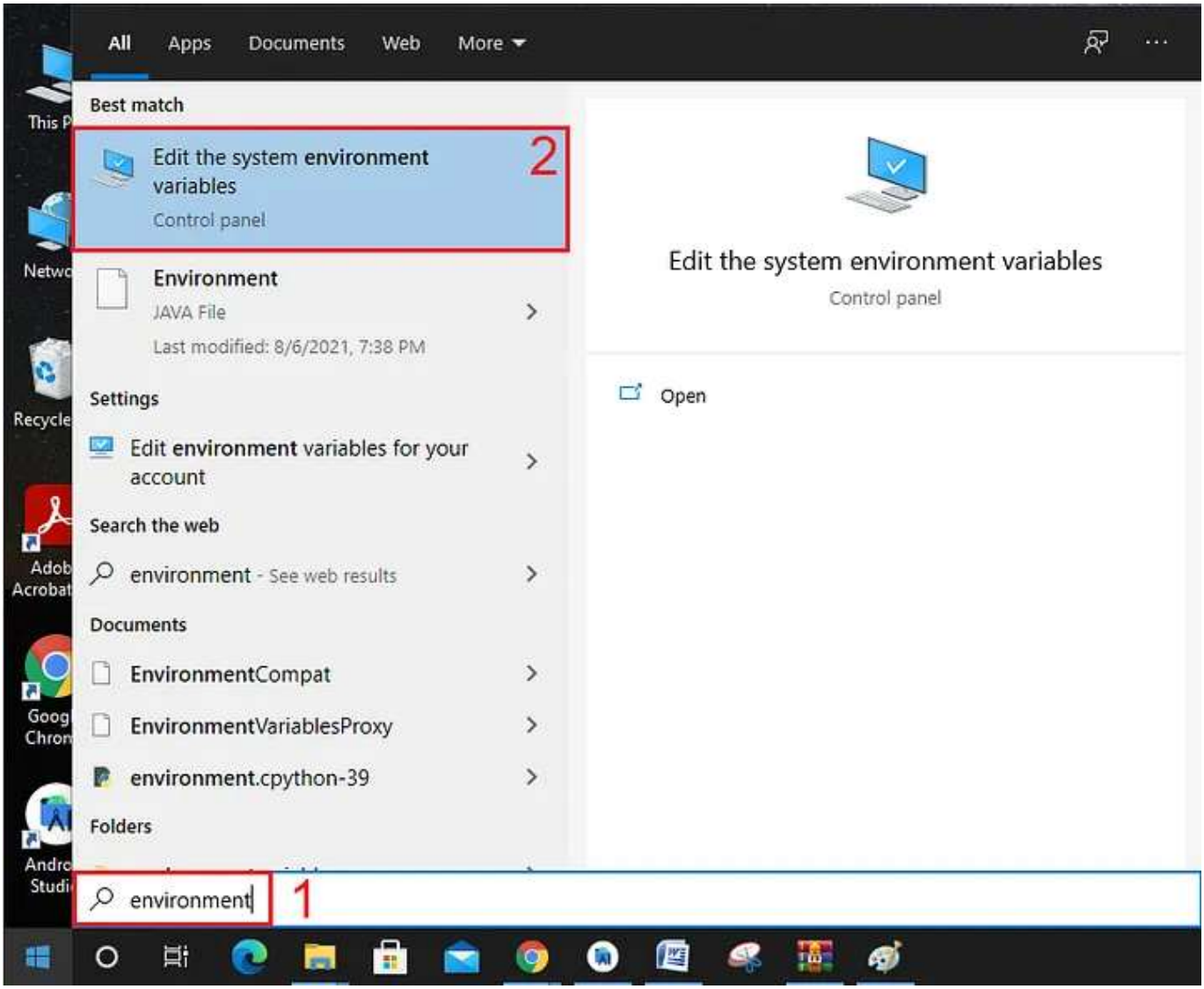


2- Then extract the contents of Gradle zip file in location **C:\gradle-8.0.2**



Second step :

Add the path of Gradle in the environment of windows.


All
Apps
Documents
Web
More
Best match
Edit the system environment variables
Control panel
2
Environment
JAVA File
Last modified: 8/6/2021, 7:38 PM
Settings
Edit environment variables for your account
Search the web
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environment.cpython-39
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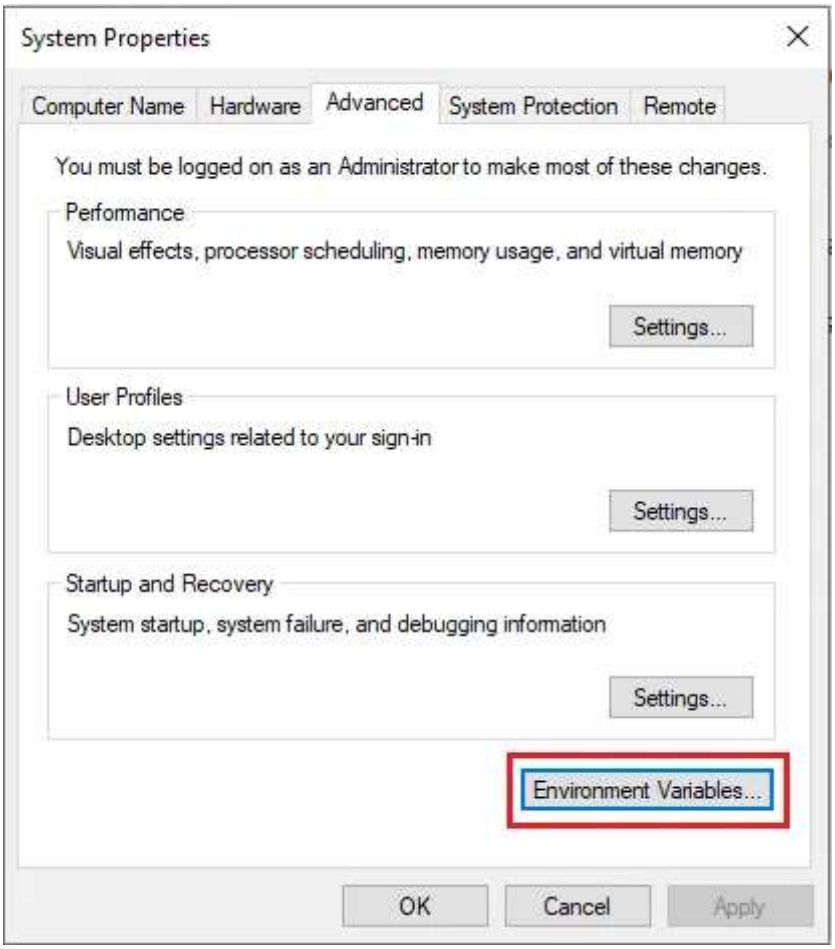
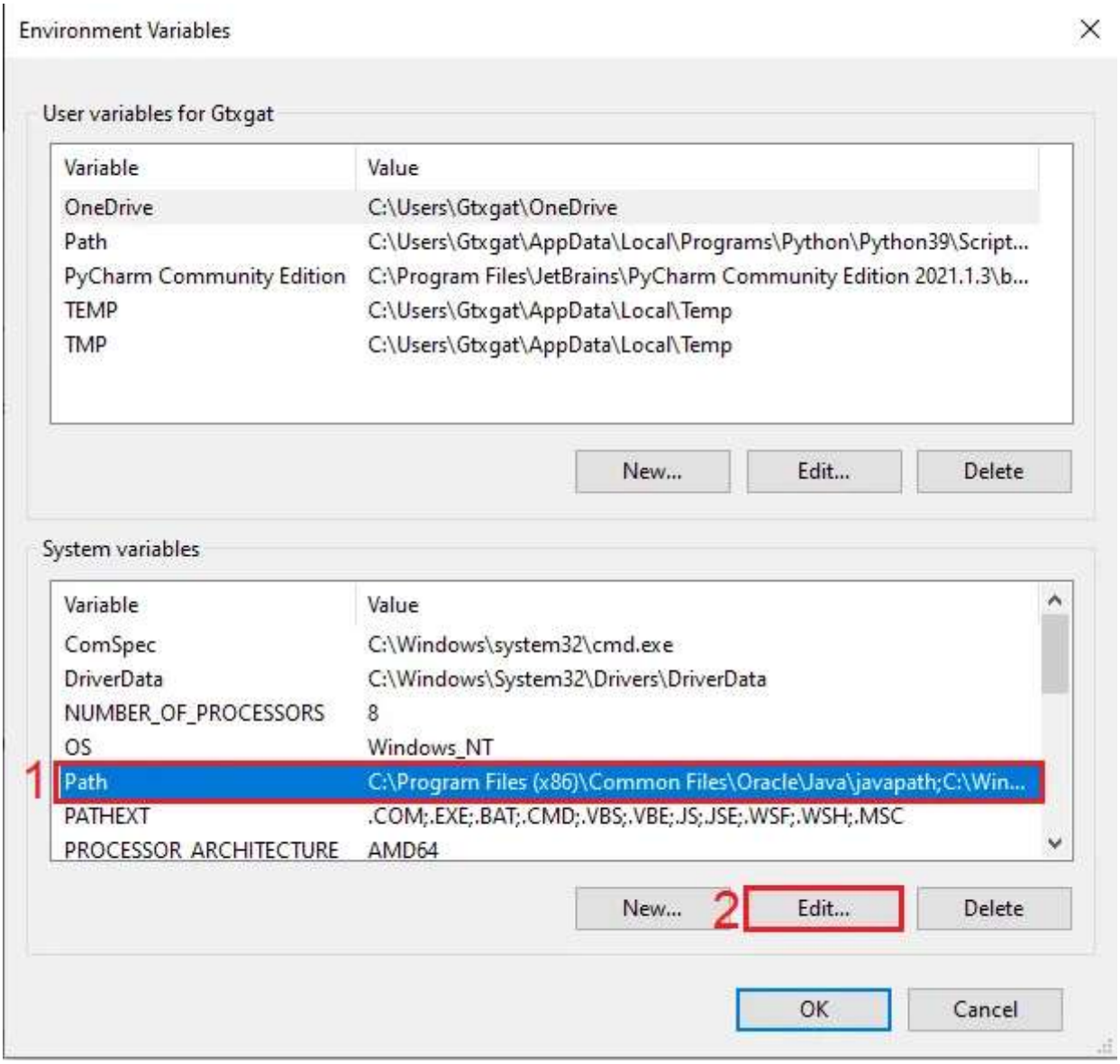
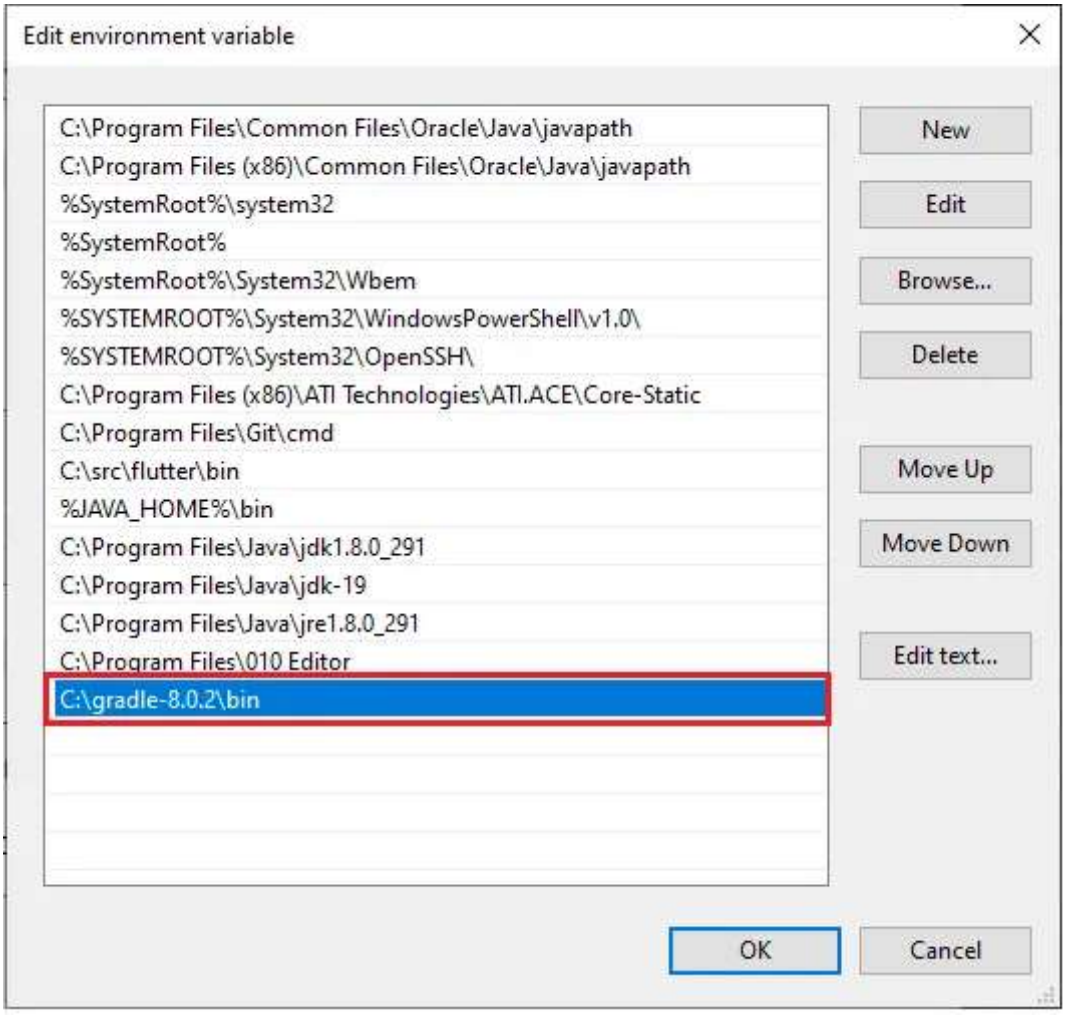
1
Edit the system environment variables
Control panel
Open


System Properties
Computer Name
Hardware
Advanced
System Protection
Remote
You must be logged on as an Administrator to make most of these changes.
Performance
Visual effects, processor scheduling, memory usage, and virtual memory
Settings...
User Profiles
Desktop settings related to your sign-in
Settings...
Startup and Recovery
System startup, system failure, and debugging information
Settings...
Environment Variables...
OK
Cancel
Apply



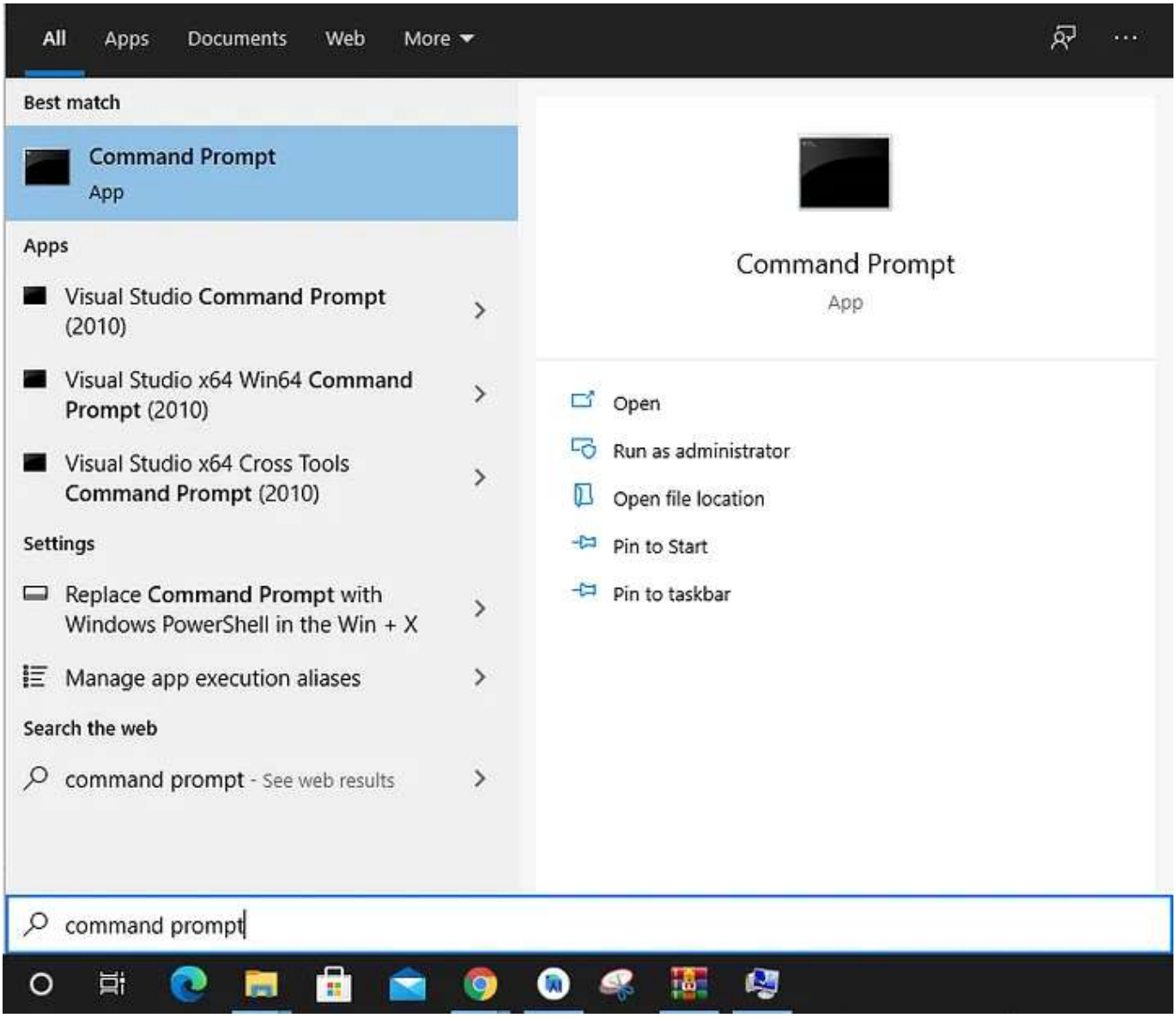
Click **New** and write the path of Gradle as shown bellow.



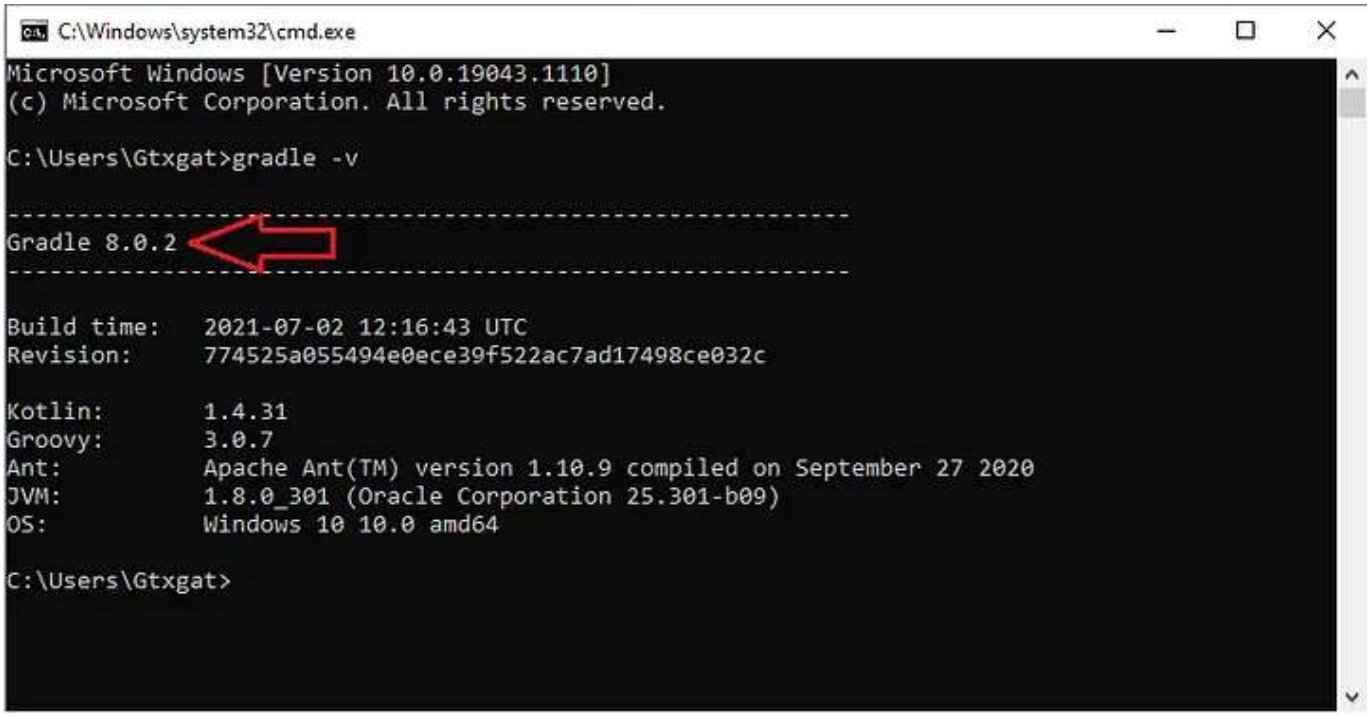
Note: Be sure that the path you will write includes " bin" as shown above.

Third step :

Check if everything is working properly. Open **command prompt.**



then write **gradle -v** to get information about your Gradle version .Everything work correctly as shown bellow.



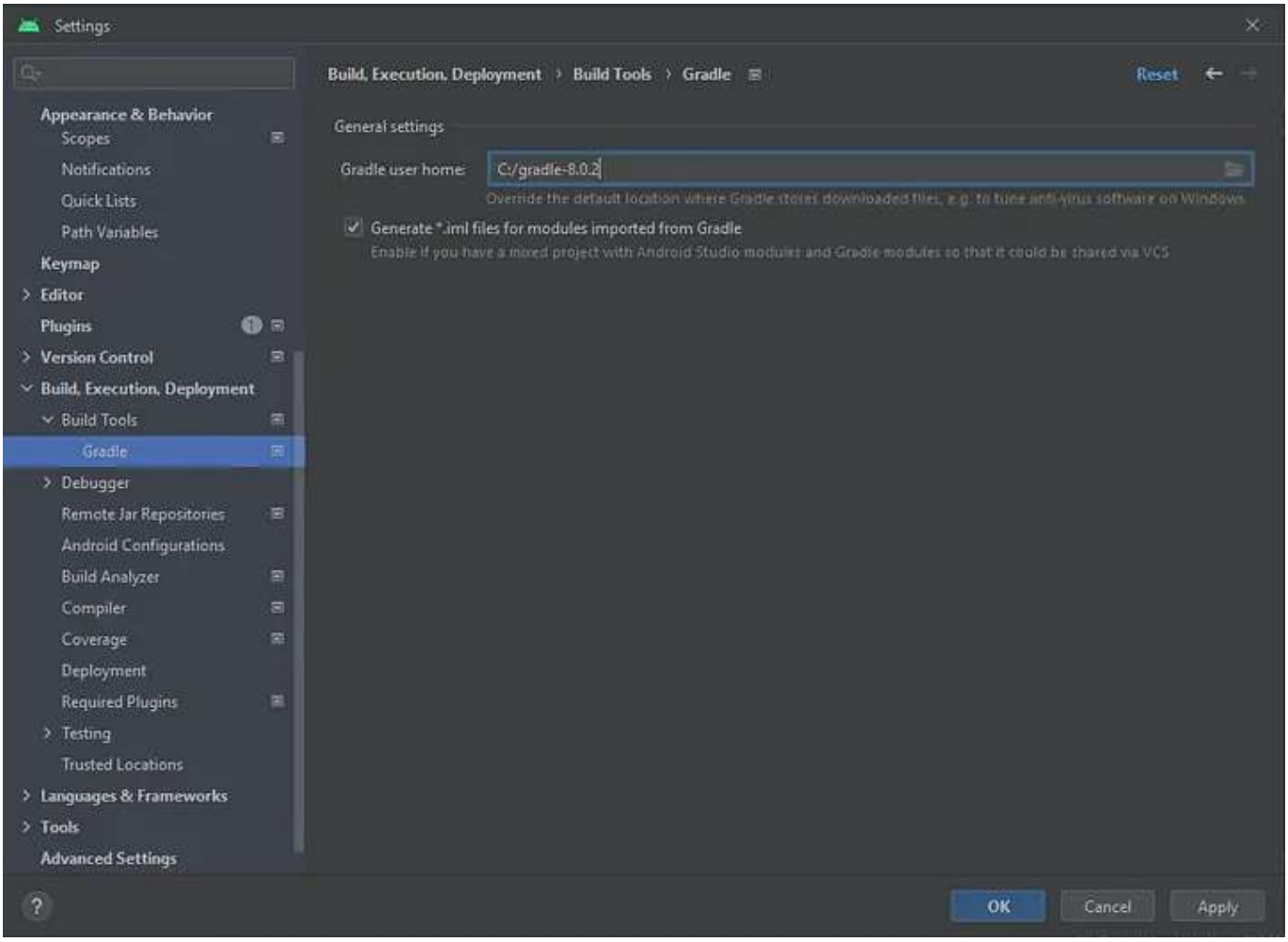
Part Two :

Now we will add The latest version in our project.

First step :

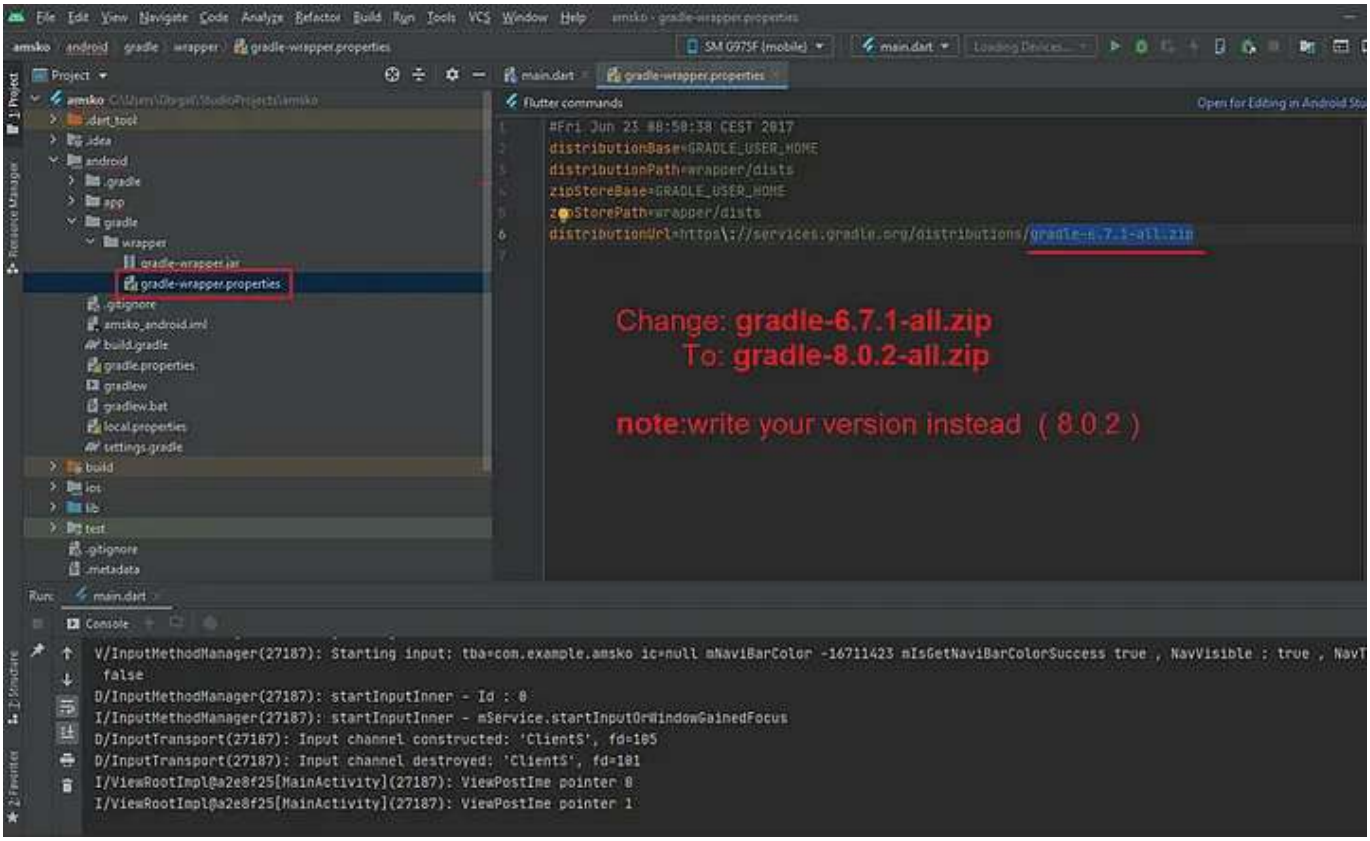
open your project and then go to : **File->Settings->Build, Execution, Deployment->Build Tools-> Gradle.**

Add the path of your Gradle in The Android Studio as shown bellow.

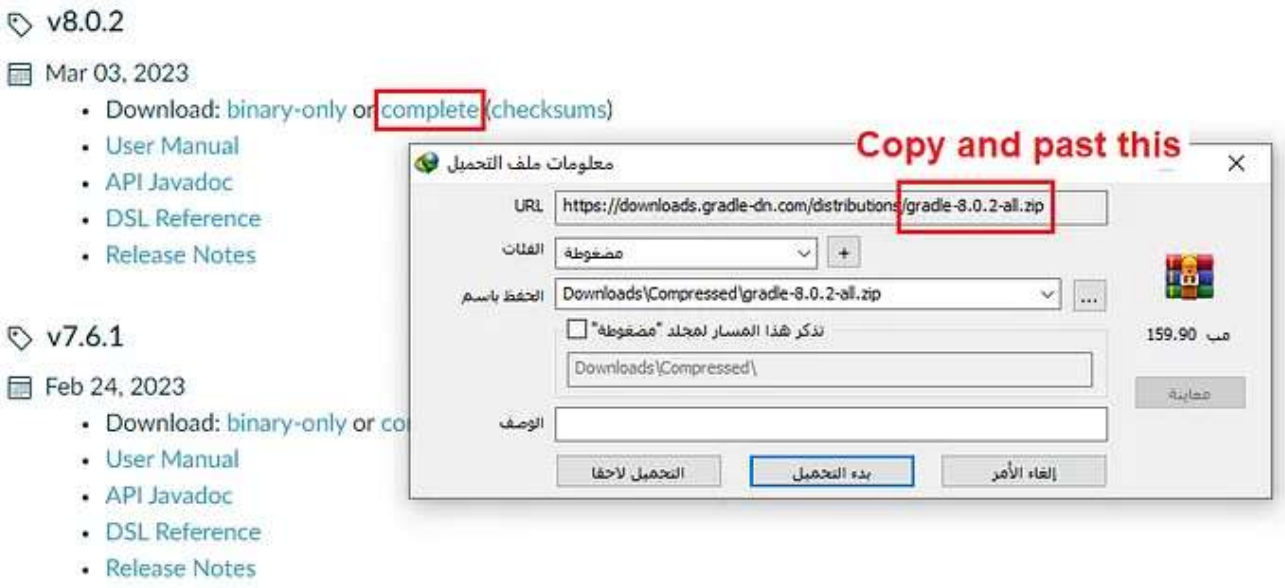


Second step :

We Should change the *distributionUrl* inside *gradle-wrapper.properties* as shown bellow.



Note: To get the right word there is a good trick, go to **Gradle version** then click on **Complete** and copy paste the selected line as shown below.



Third step :

When update **“Gradle”** to the latest available version. You should update **“Android Gradle plugin”** ,For the best performance, you should use the latest possible version of both “Gradle and the plugin”.

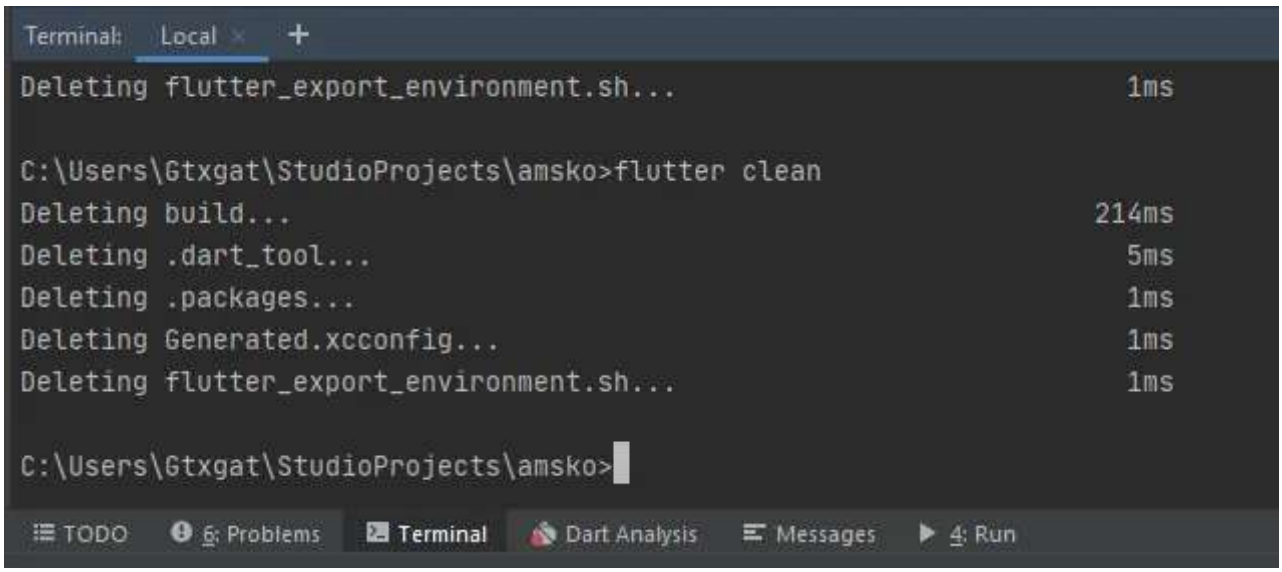
Note: Make sure “Gradle and the plugin” are compatible from the table in this link.

Plugin version	Minimum required Gradle version
8.1	8.0
8.0	8.0
7.4	7.5
7.3	7.4
7.2	7.3.3
7.1	7.2
7.0	7.0
4.2.0+	6.7.1

Because we use Gradle version 8.0.2 which is above 6.7.1+ ,we should use 8.1 plugin version. To change the plugin version open **build.gradle** and change the version.

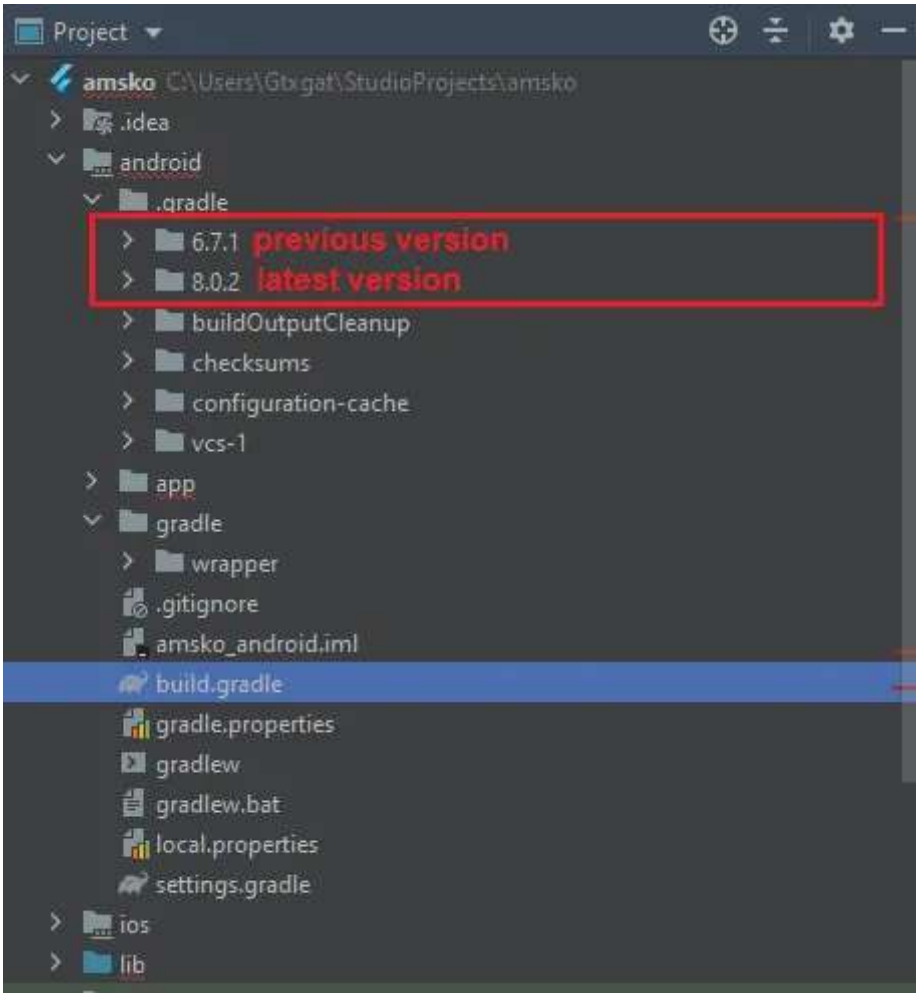
Forth step :

Open **Terminal** inside the **android studio** and write **flutter clean** as shown below.



Finally **Run** the application and Mostly it will take a long time, at least 10 minutes on the first time.

After finish the Run you will see the latest version is added as shown bellow.



Note: When you create a new project application it will work with old version and you need to upgrade project manually. Do not worry, you do not need to repeat everything, you have to repeat the **Part Two** only.

If you enjoyed this tutorial as much as I did you can support me by 👏 for this story.

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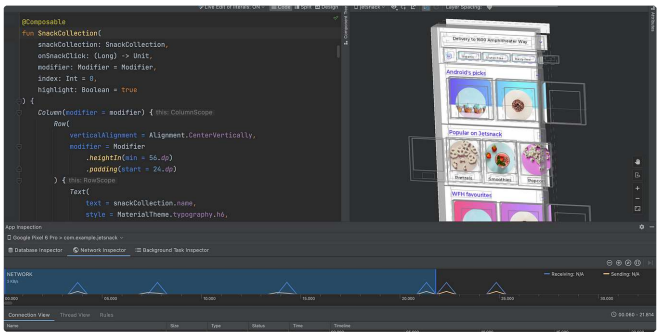

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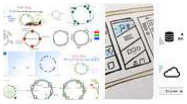

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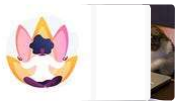

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