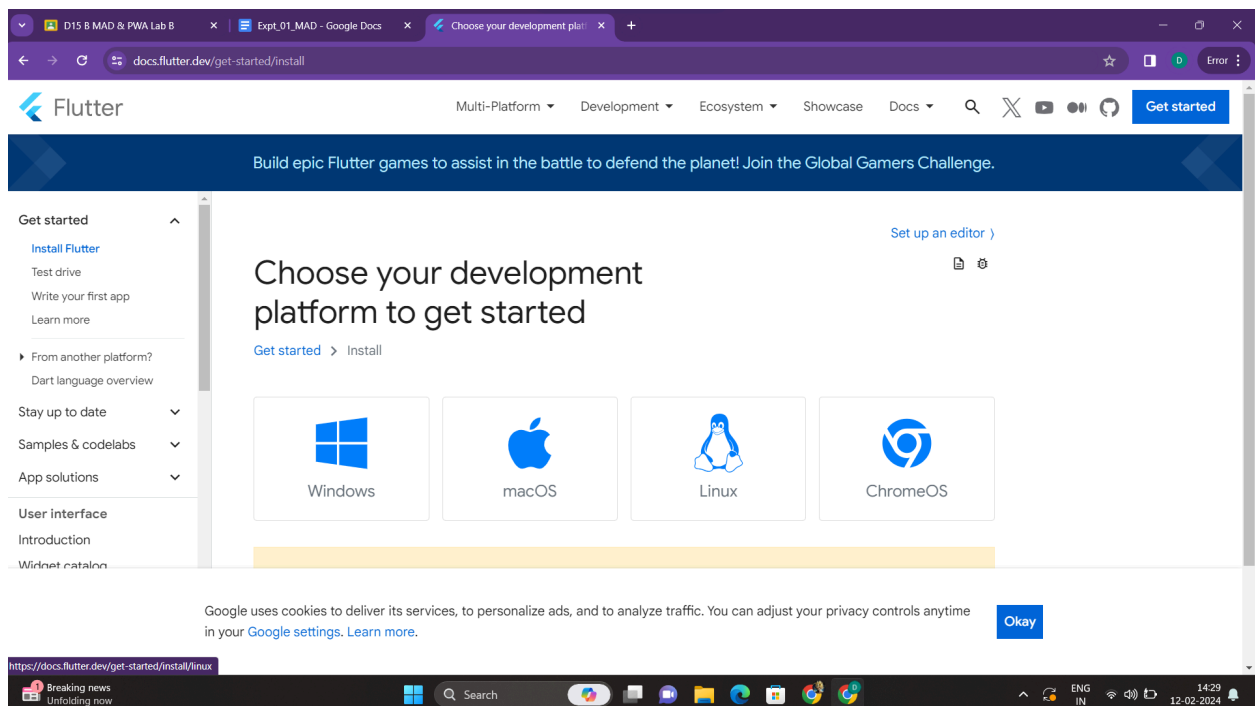# EXP 1: Installation and Configuration of Flutter Environment.

Aim:

Theory:

Install the Flutter SDK

Step 1: Download the installation bundle of the Flutter Software Development Kit for windows. To download Flutter SDK, Go to its official website https://docs.flutter.dev/get-started/install , you will get the following screen.
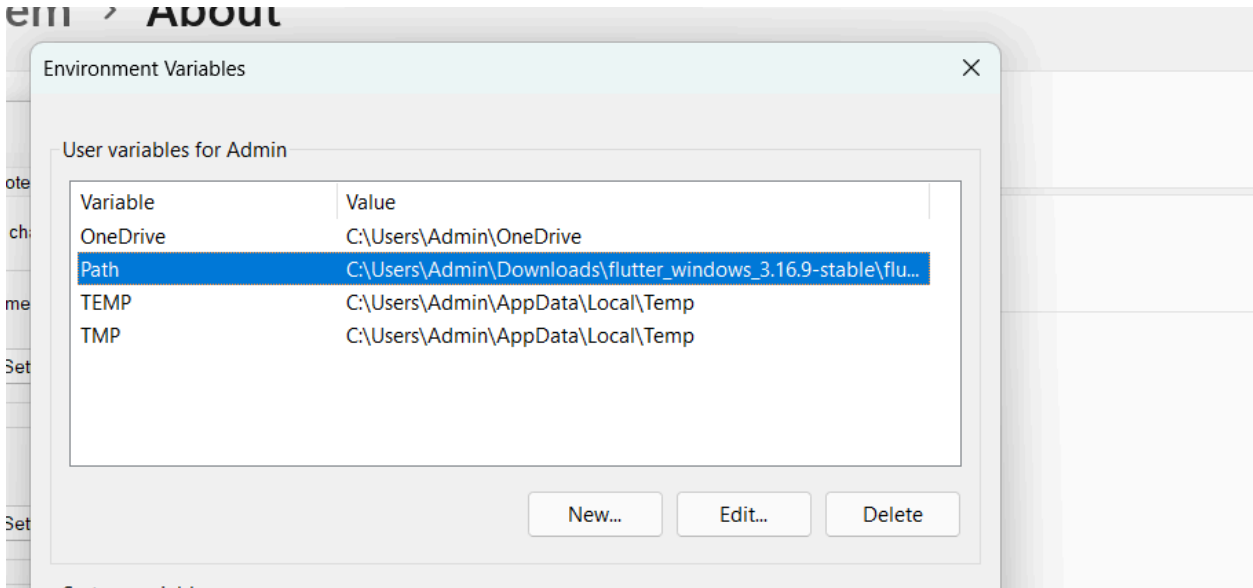

Step 2: Next, to download the latest Flutter SDK, click on the Windows icon. Here, you will find the download link for SDK.

Name	Date modified	Type	Size
version	14-02-2024 00:47	File	1 KB
.ci	14-02-2024 00:47	Yaml Source File	163 KB
.gitattributes	14-02-2024 00:47	Git Attributes Sour...	1 KB
.gitignore	14-02-2024 00:47	Git Ignore Source ...	3 KB
analysis_options	14-02-2024 00:47	Yaml Source File	12 KB
AUTHORS	14-02-2024 00:47	File	5 KB
CODE_OF_CONDUCT	14-02-2024 00:47	Markdown Source ...	3 KB
CODEOWNERS	14-02-2024 00:47	File	1 KB
CONTRIBUTING	14-02-2024 00:47	Markdown Source ...	11 KB
dartdoc_options	14-02-2024 00:47	Yaml Source File	2 KB
.git	14-02-2024 01:06	File folder	
packages	14-02-2024 00:57	File folder	
examples	14-02-2024 00:54	File folder	
dev	14-02-2024 00:53	File folder	
bin	14-02-2024 00:50	File folder	
.pub-preload-cache	14-02-2024 00:47	File folder	
.vscode	14-02-2024 00:47	File folder	
.idea	14-02-2024 00:47	File folder	
.github	14-02-2024 00:47	File folder	
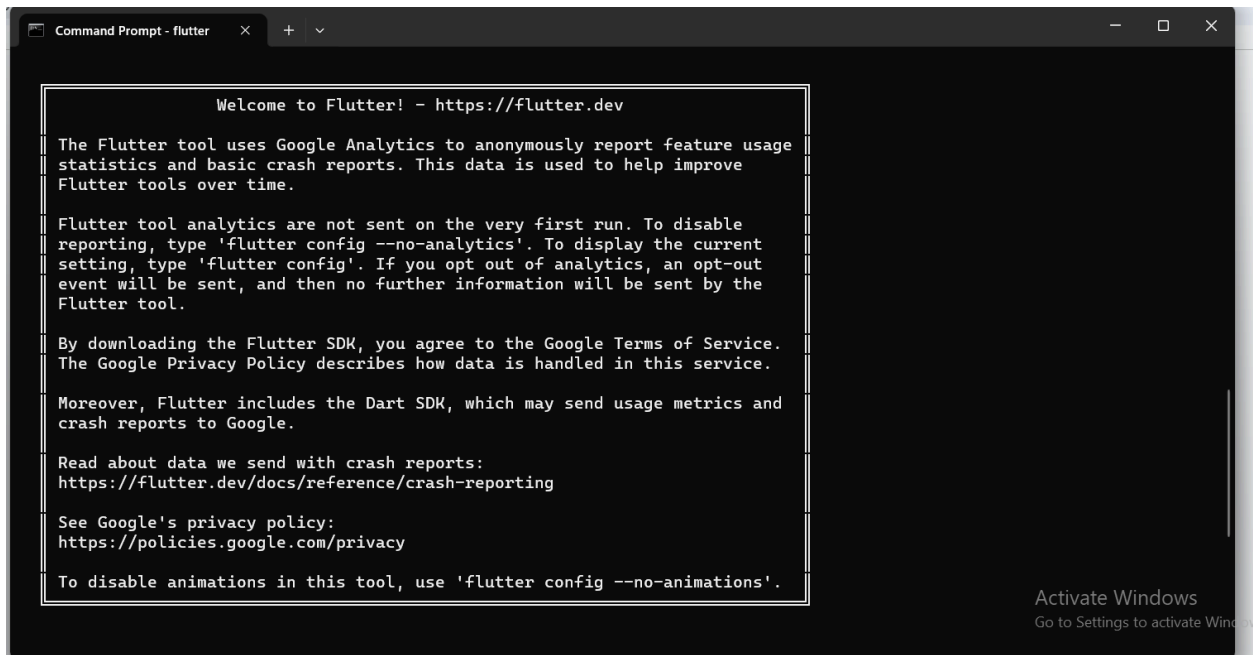
Step 3: When your download is complete, extract the zip file and place it in the desired

em › About

Environment Variables   ✕

User variables for Admin

Variable	Value
OneDrive	C:\Users\Admin\OneDrive
Path	C:\Users\Admin\Downloads\flutter_windows_3.16.9-stable\flu...
TEMP	C:\Users\Admin\AppData\Local\Temp
TMP	C:\Users\Admin\AppData\Local\Temp

New...   Edit...   Delete

System variables

installation folder or location, for example, C: /Flutter.

Step 4: Now, run the $ flutter command in command prompt.

Now, run the $ flutter doctor command. This command checks for all the requirements of Flutter app development and displays a report of the status of your Flutter installation.

Step 5: When you run the above command, it will analyze the system and show its report, as shown in the below image. Here, you will find the details of all missing tools, which required to run Flutter as well as the development tools that are available but not connected with the device.

```
Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 3.16.7, on Microsoft Windows [Version 10.0.22621.3007], locale en-IN)
[√] Windows Version (Installed version of Windows is version 10 or higher)
[x] Android toolchain - develop for Android devices
    x Unable to locate Android SDK.
      Install Android Studio from: https://developer.android.com/studio/index.html
      On first launch it will assist you in installing the Android SDK components.
      (or visit https://flutter.dev/docs/get-started/install/windows#android-setup for detailed instructions)
      If the Android SDK has been installed to a custom location, please use
      `flutter config --android-sdk` to update to that location.

[√] Chrome - develop for the web
[x] Visual Studio - develop Windows apps
    x Visual Studio not installed; this is necessary to develop Windows apps.
      Download at https://visualstudio.microsoft.com/downloads/.
      Please install the "Desktop development with C++" workload, including all of its default components
[!] Android Studio (not installed)
[√] VS Code (version unknown)
    x Unable to determine VS Code version.
[√] Connected device (3 available)
[√] Network resources
```
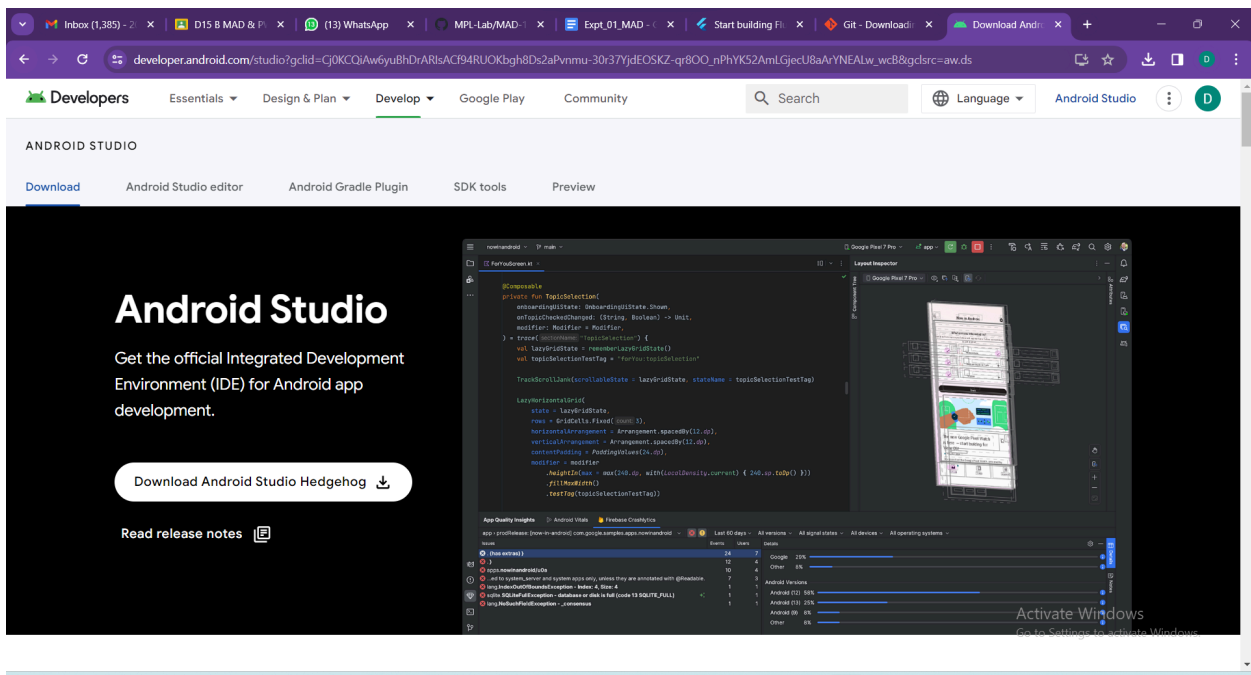
ANDROID STIUDIO

Step 1 : Install the Android SDK. If the flutter doctor command does not find the Android SDK tool in your system, then you need first to install the Android Studio IDE. To install Android Studio IDE, do the following steps.
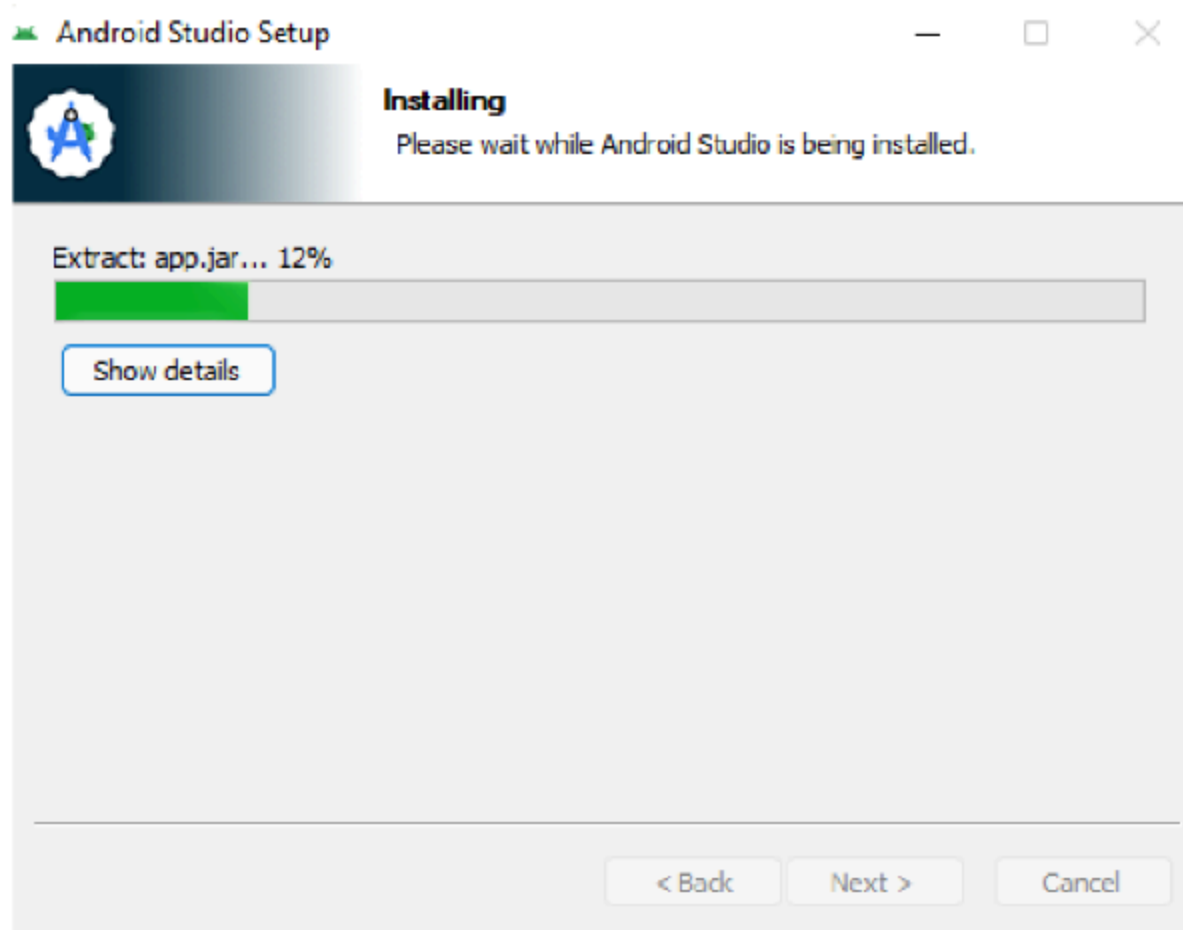
Step 1.1: Download the latest Android Studio executable or zip file from the official site.

Step 1.2: When the download is complete, open the .exe file and run it. You will get the following dialog box.
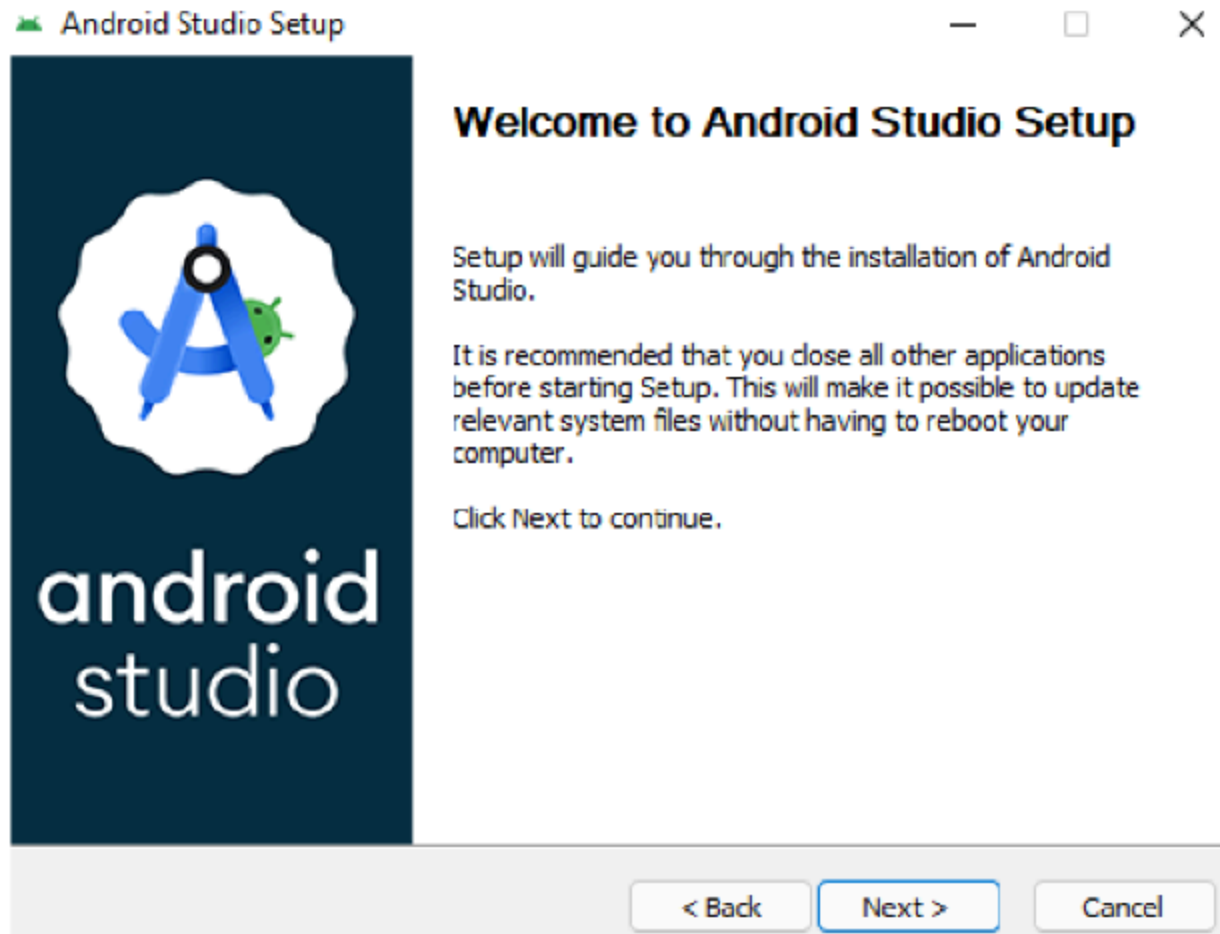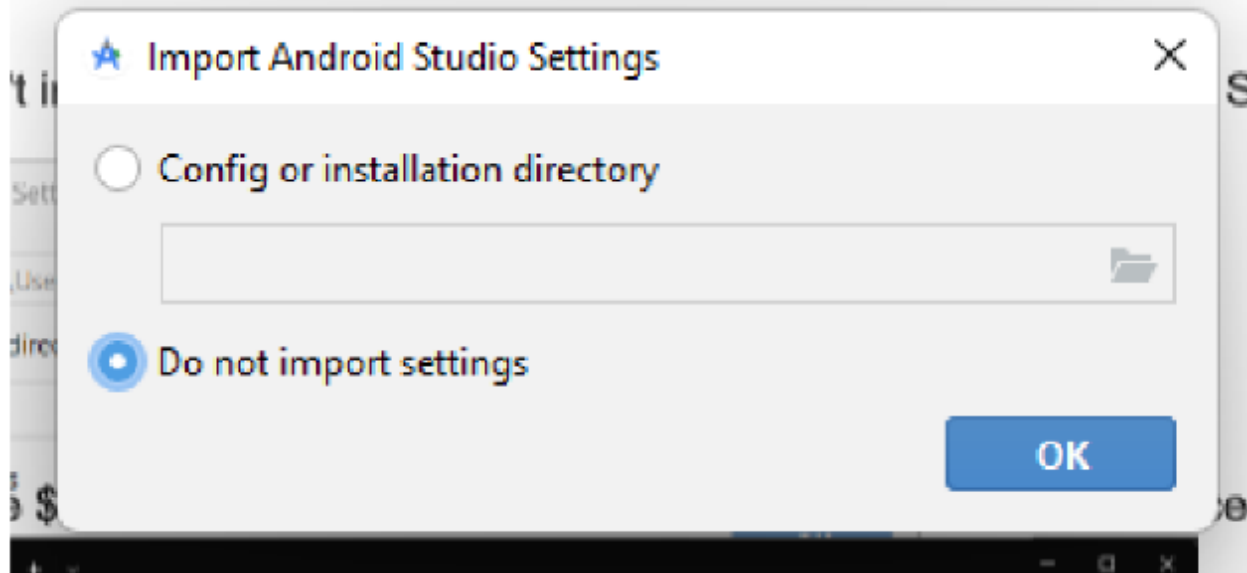
Step 7.3: Follow the steps of the installation wizard. Once the installation wizard completes, you will get the following screen.
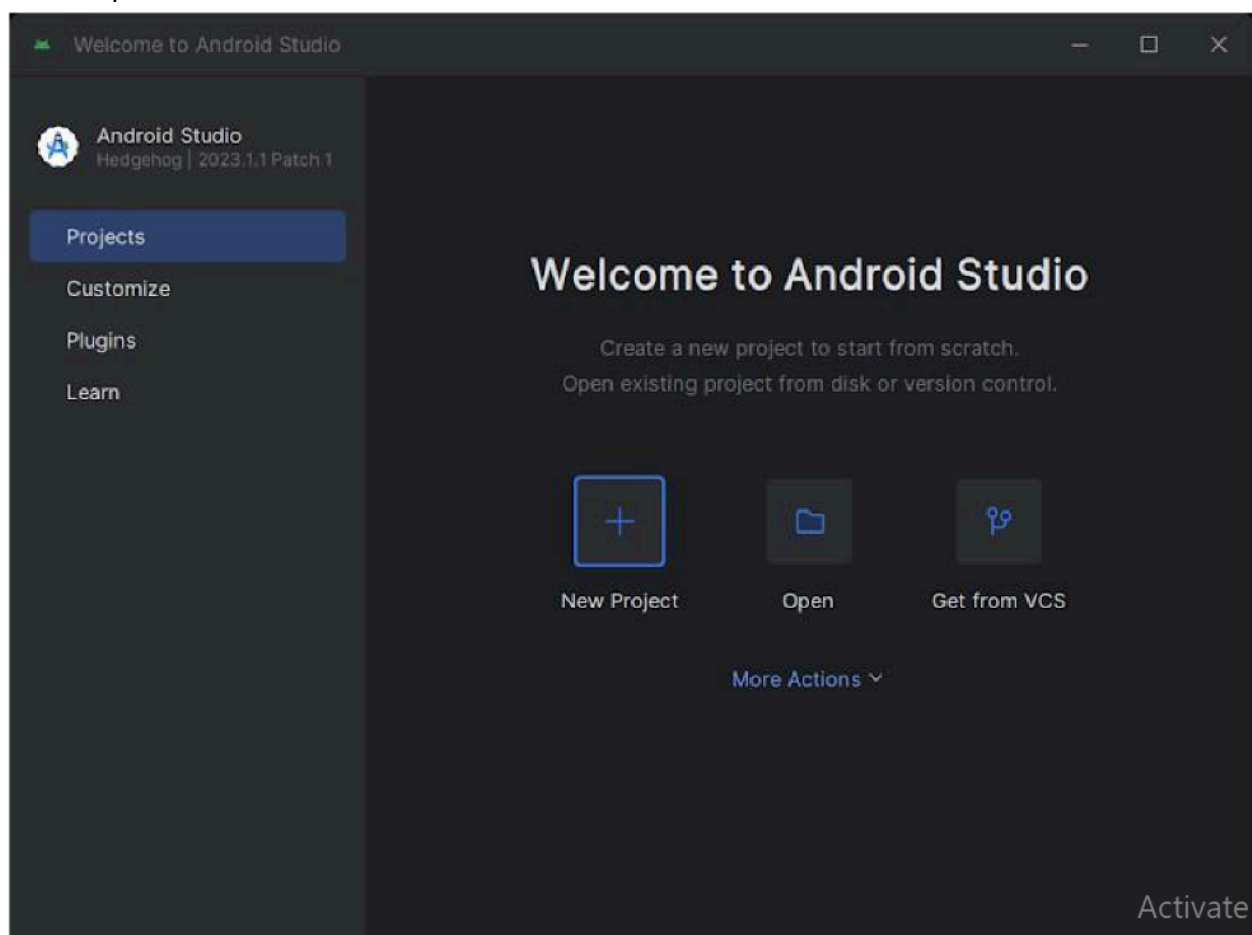
Step 7.4: In the above screen, click Next-> Finish. Once the Finish button is clicked, you need to
choose the 'Don't import Settings option' and click OK. It will start the Android Studio.

Final step

Conclusion: we have successfully installed Flutter and Android studio