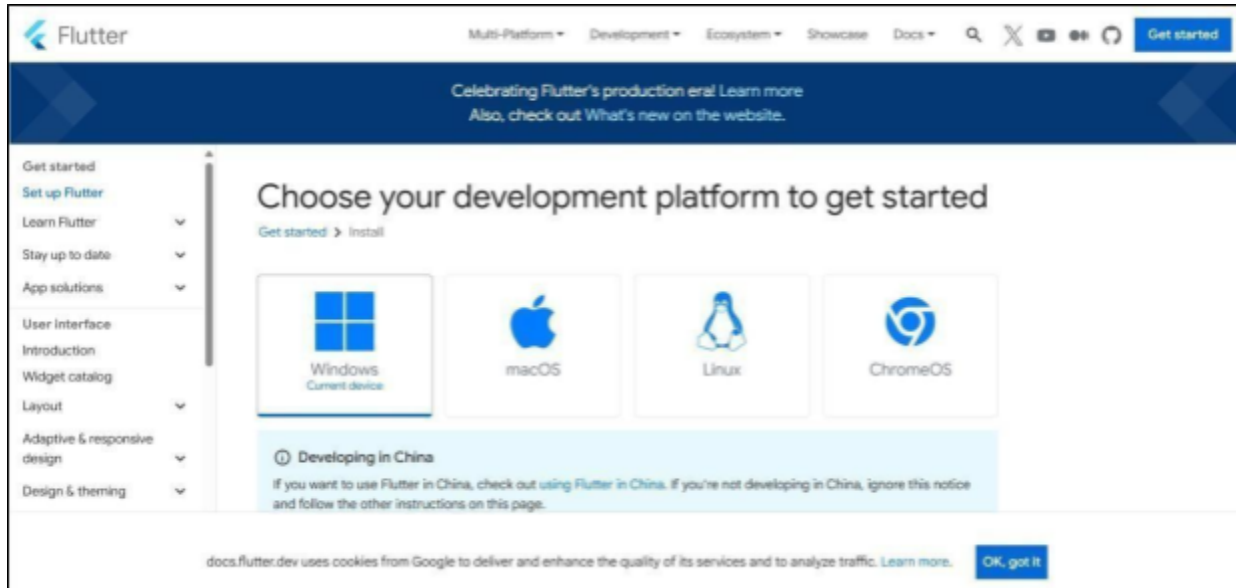
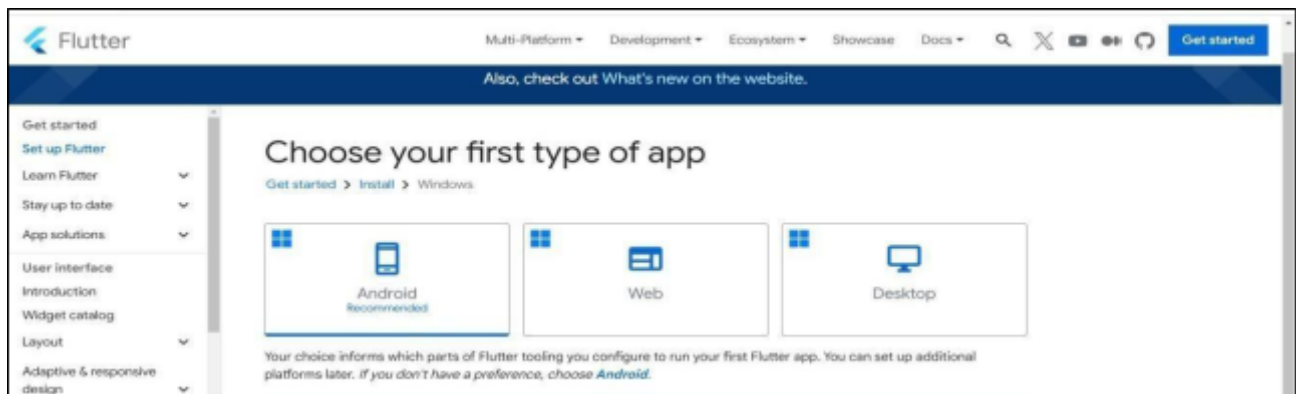


AIM: - Installation and Configuration of Flutter Environment.

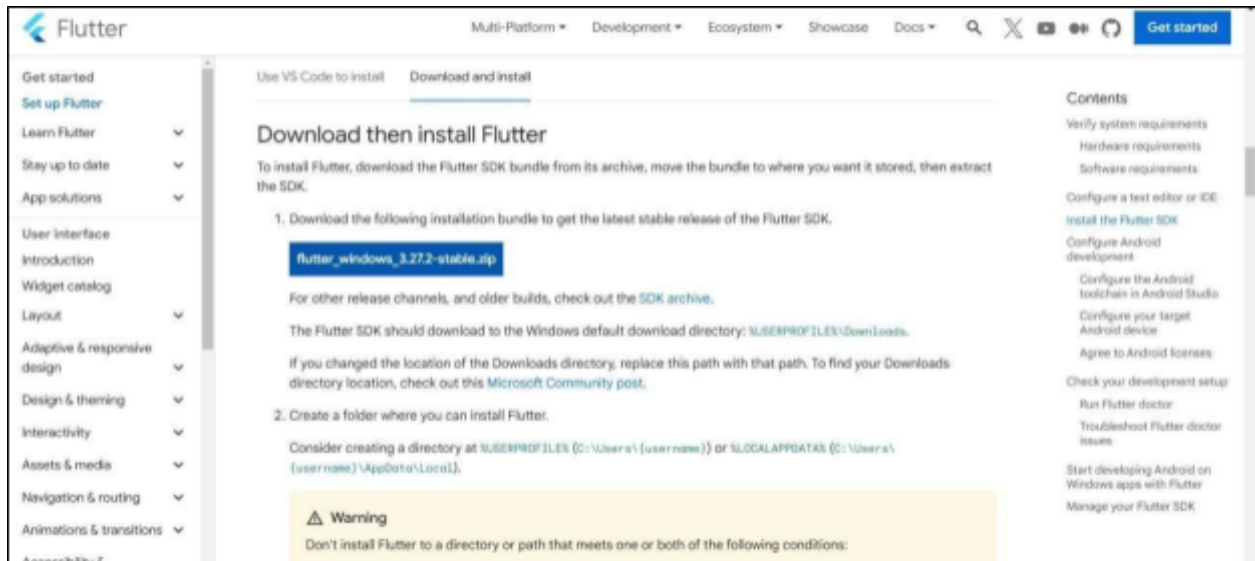
Step 1: Go to the official Flutter website: <https://docs.flutter.dev/get-started/install>



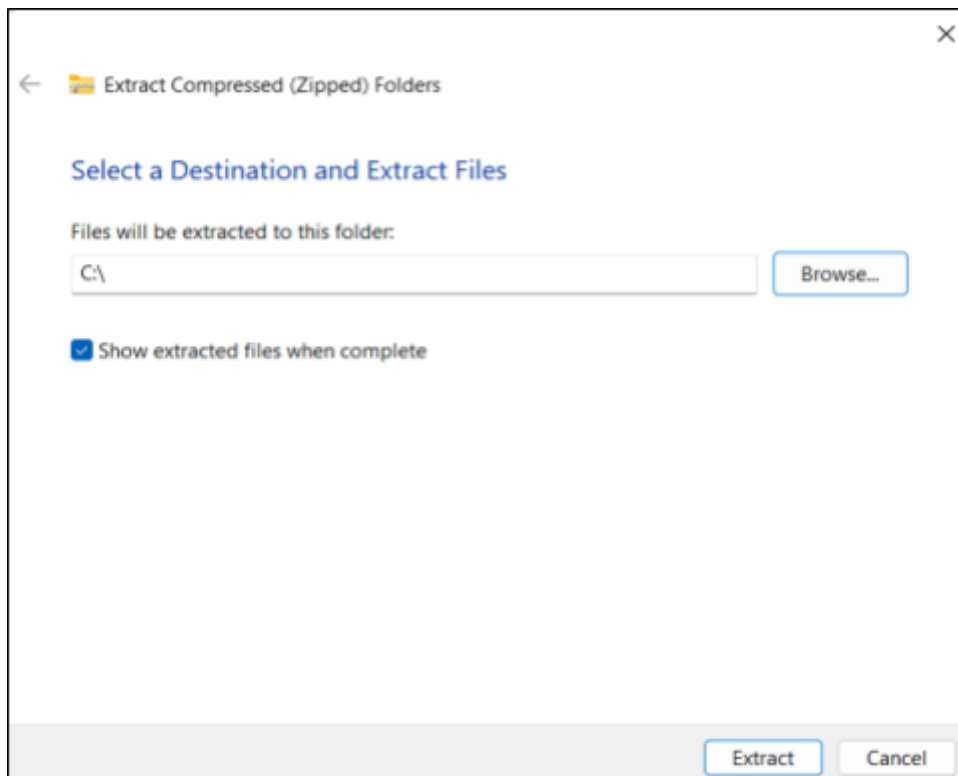
Step 2: To download the latest Flutter SDK, click on the Windows icon > Android



Step 3: For Windows, download the stable release (a .zip file).



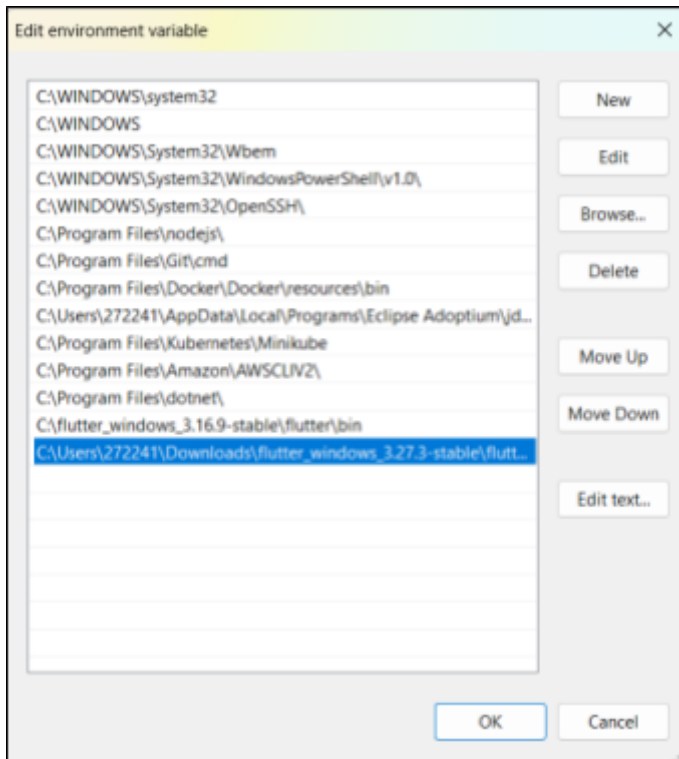
Step 4: Extract the ZIP file to a folder (e.g., C:\flutter).



Step 5 :- Add Flutter to System PATH

Right-click on the Start Menu > System > Advanced system settings > Environment Variables. Under System Variables, find Path and click Edit.

Add the full path to the flutter/bin directory (e.g., C:\flutter\bin).



Step 7:- 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

```
C:\Windows\System32>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.4, on Microsoft Windows [Version 10.0.26100.3624], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 35.0.0)
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.9.0)
[✓] Android Studio (version 2024.2)
[✓] VS Code (version 1.99.0)
[✓] VS Code, 64-bit edition (version 1.91.0)
[✓] Connected device (3 available)
[✓] Network resources

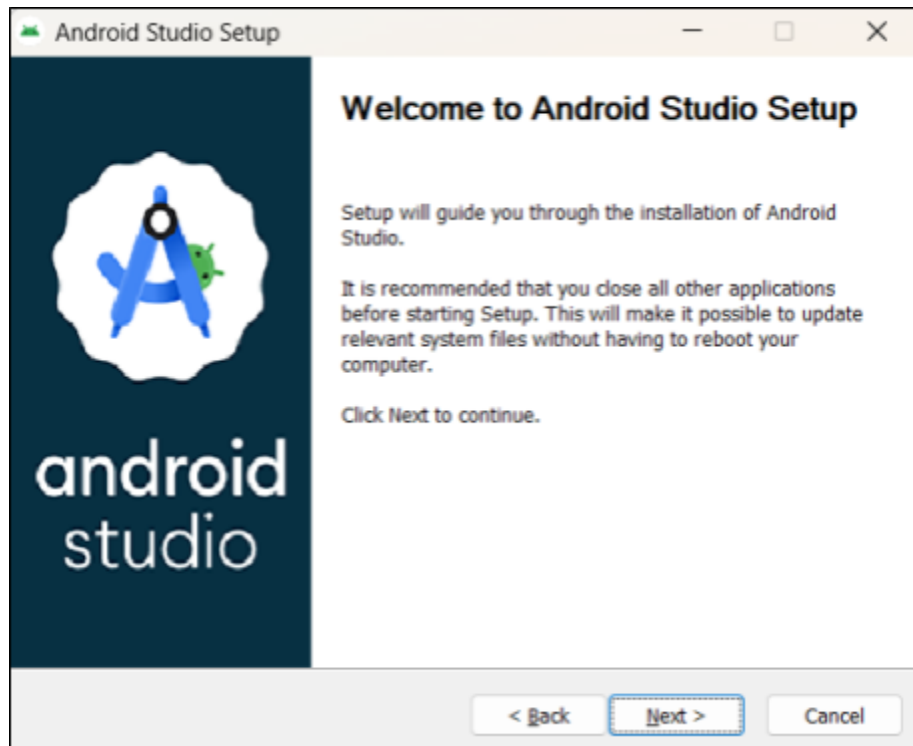
• No issues found!
```

Step 8 :- Go to Android Studio and download the installer.

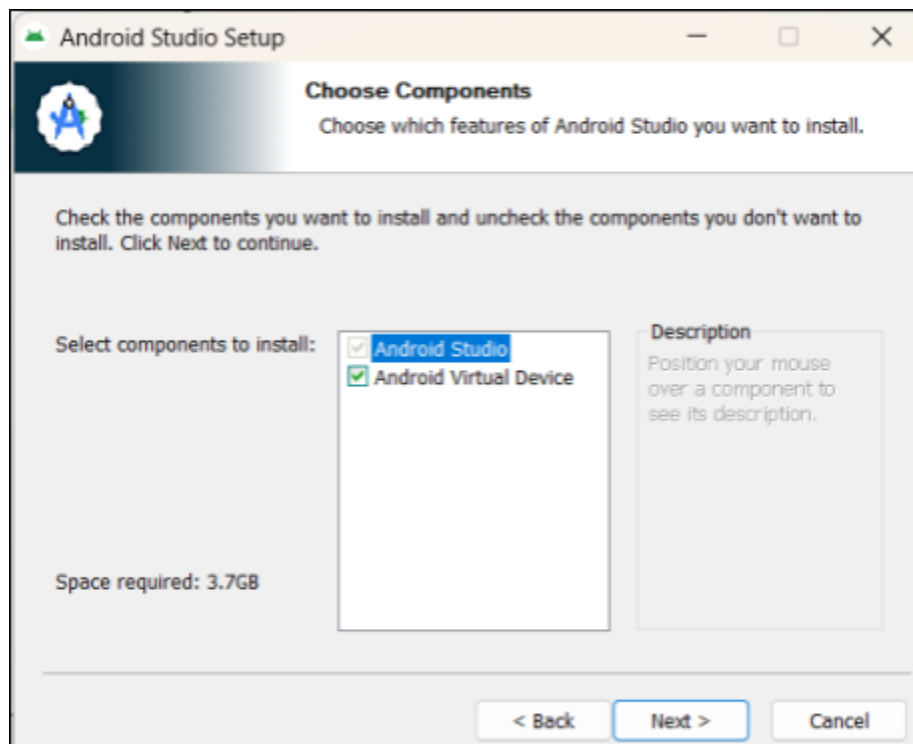
Download the latest version of Android Studio. For more information, see the [Android Studio release notes](#).

Platform	Android Studio package	Size	SHA-256 checksum
Windows (64-bit)	android-studio-2024.2.2.13-windows.exe Recommended	1.2 GB	7d93d9bf3539f948f6c9b19a8507b1f502b1a165d2d44b33e17f26cb5dd3e
Windows (64-bit)	android-studio-2024.2.2.13-windows.zip No .exe installer	1.2 GB	859451629f9b84ea49ce3f9de0b1439dbf45f6c37a1fab7999db033b046b7f7
Mac (64-bit)	android-studio-2024.2.2.13-mac.dmg	1.3 GB	acfbbe54d6ceb12f1f9b43590c7addb9dde2824282f205f0133be77d2e613
Mac (64-bit, ARM)	android-studio-2024.2.2.13-mac_arm.dmg	1.3 GB	688fb0007e612f3f0c8f316179079dc4565f93dbdfe6a7dad90c4cfc326df7
Linux (64-bit)	android-studio-2024.2.2.13-linux.tar.gz	1.3 GB	b77e1ed4a7959bdaca7a8fd57461dbbf9a205eb23cc218ed826ed88e6b996cb5

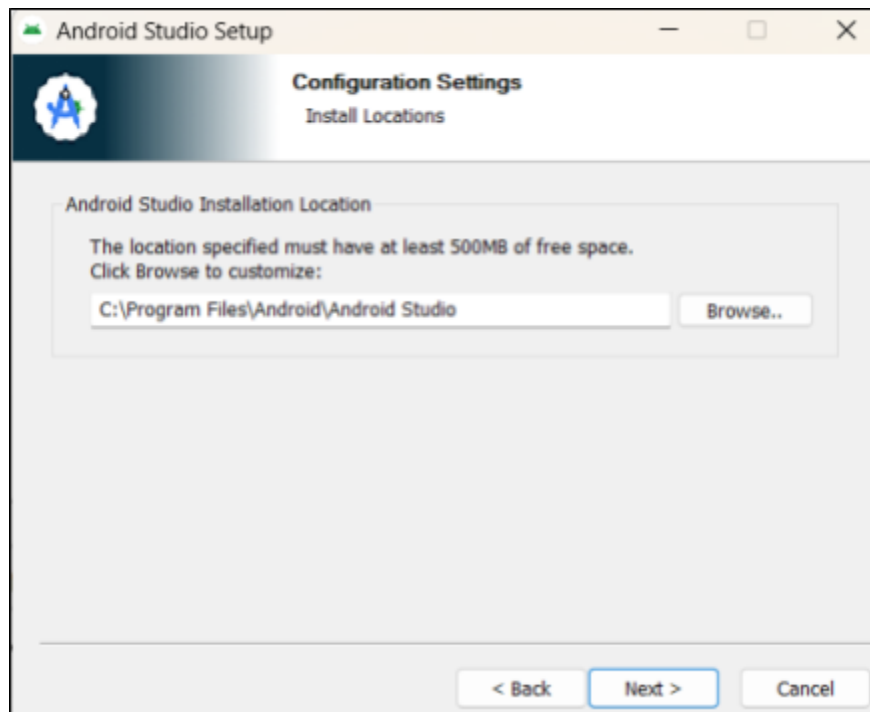
Step 8.1: - When the download is complete, open the .exe file and run it. You will get the following dialog box



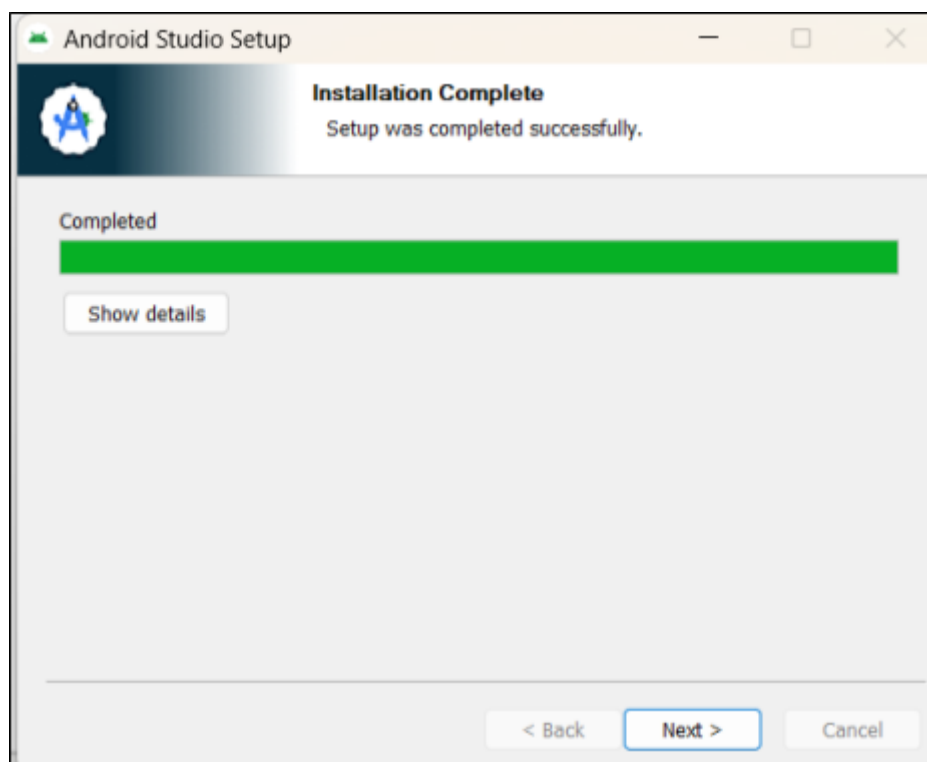
Step 8.2: - Select all the Checkboxes and Click on 'Next' Button.

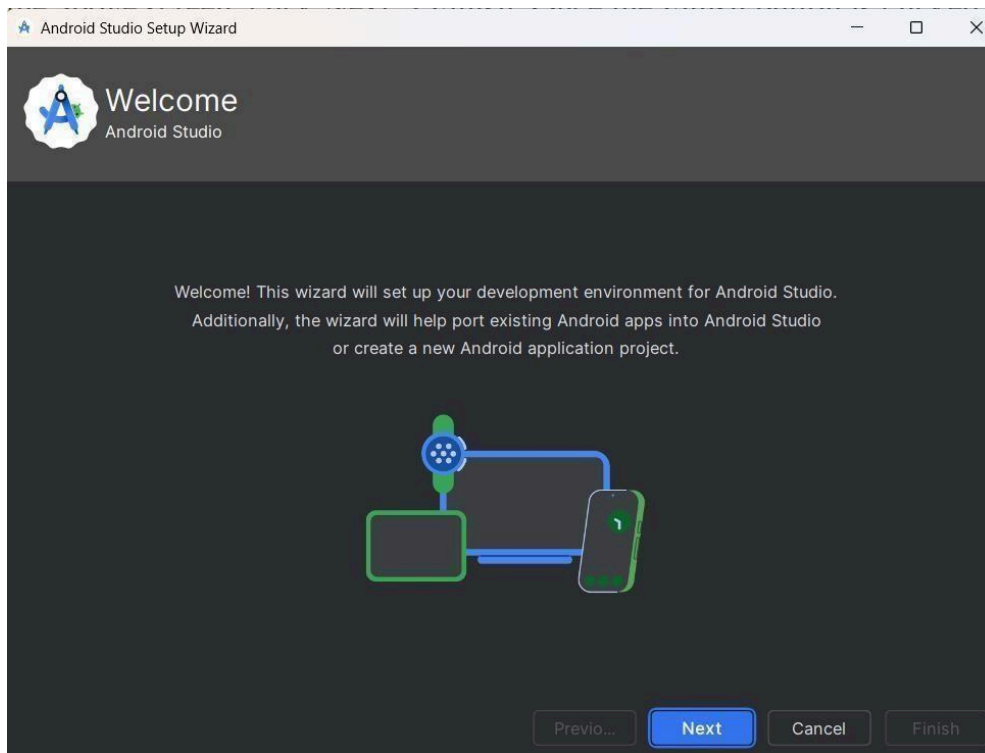


Step 8.3: - Change the destination as per your convenience and click on 'Next' Button.

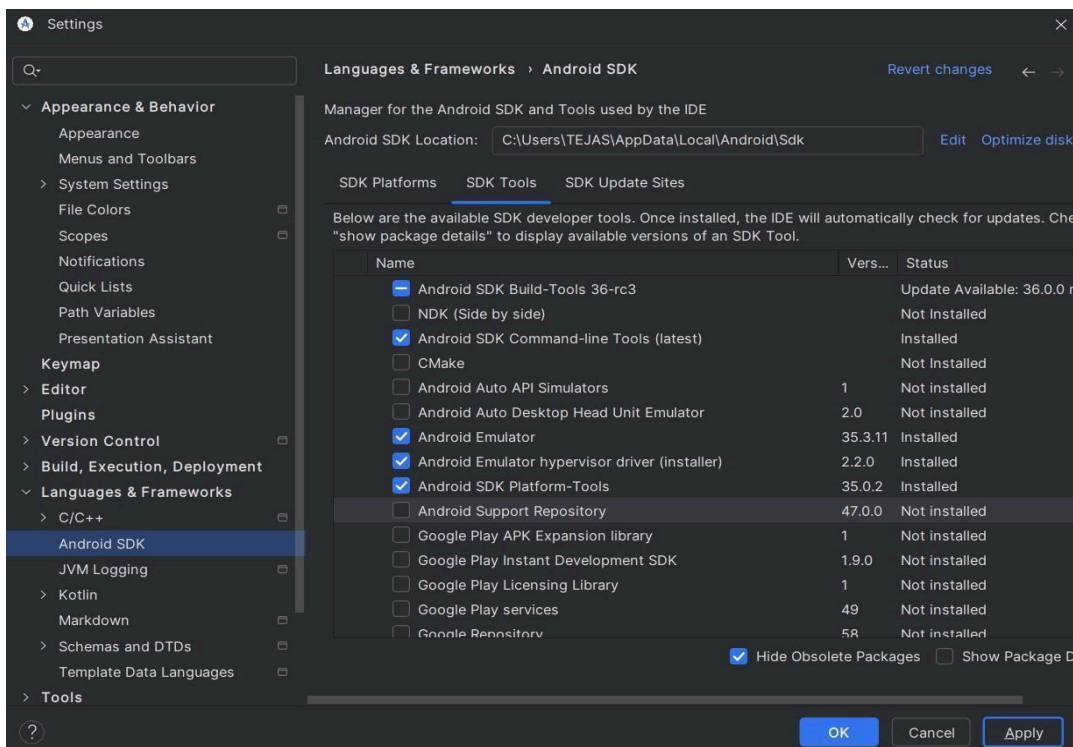


Step 8.4: - Follow the steps of the installation wizard. Once the installation wizard completes, you will get the following screen.





Step 8.5: - Go to Preferences > Appearance & Behavior > System Settings > Android SDK. Select the SDK Tools tab and check Android SDK Command-line Tools and Install it.



Step 9: - Open a terminal and run the following command

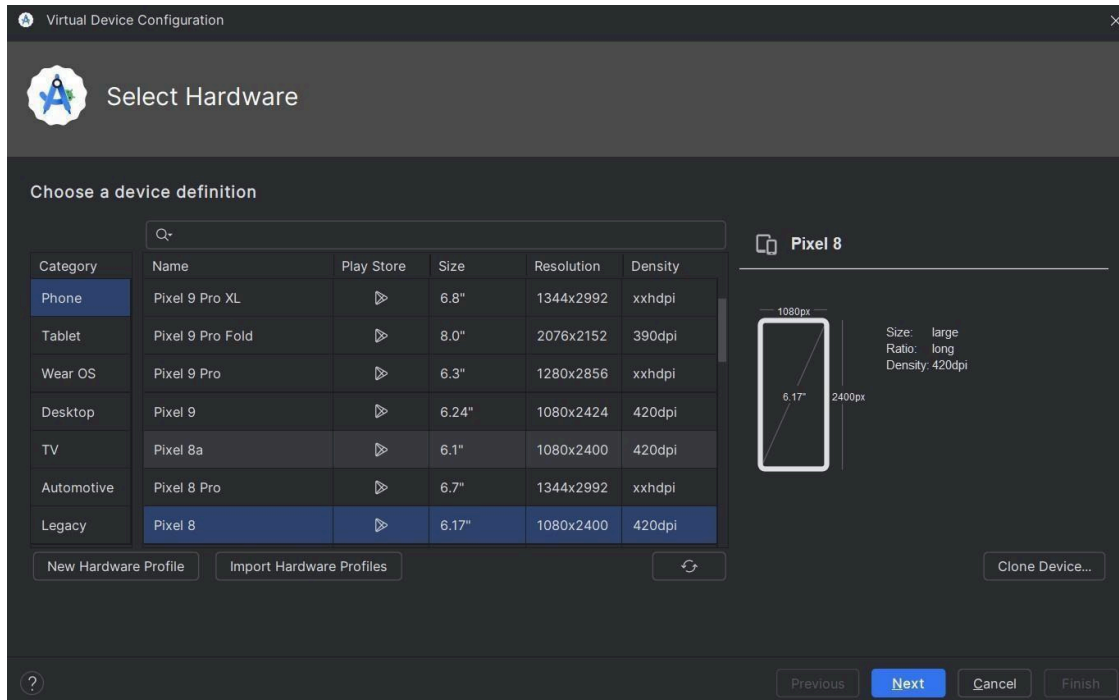
```
C:\Windows\System32>flutter doctor --android-licenses

Warning: Errors during XML parse:
Warning: Additionally, the fallback loader failed to parse the XML.
=====] 100% Computing updates...
All SDK package licenses accepted.
```

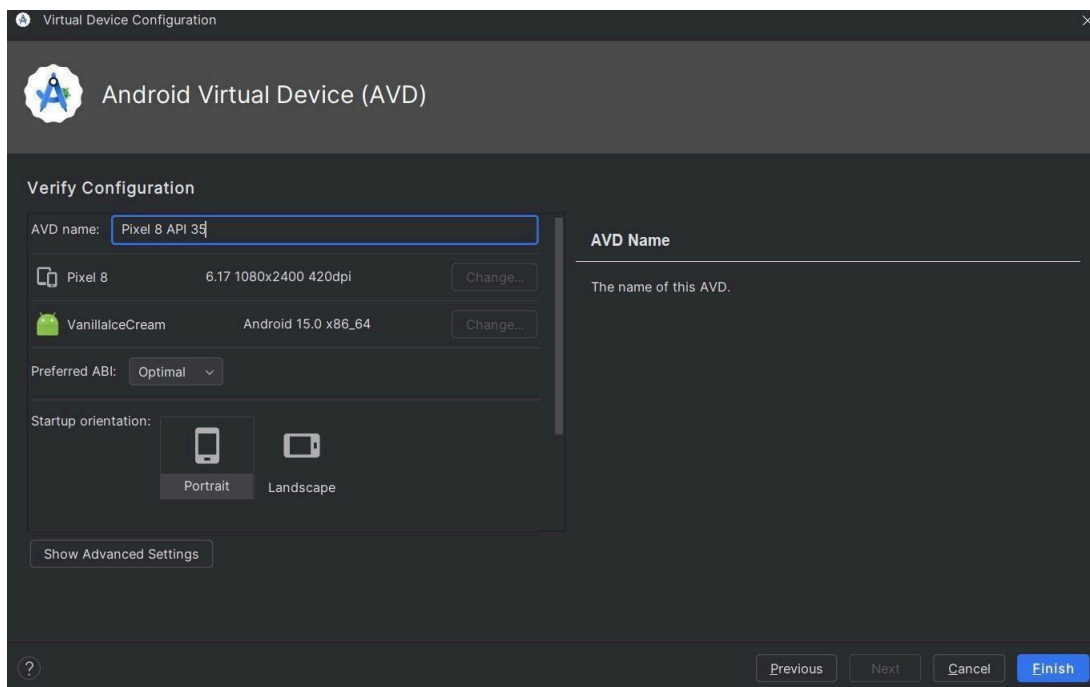
```
C:\Windows\System32>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.4, on Microsoft Windows [Version 10.0.26100.3624], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 35.0.0)
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.9.0)
[✓] Android Studio (version 2024.2)
[✓] VS Code (version 1.99.0)
[✓] VS Code, 64-bit edition (version 1.91.0)
[✓] Connected device (3 available)
[✓] Network resources

• No issues found!
```

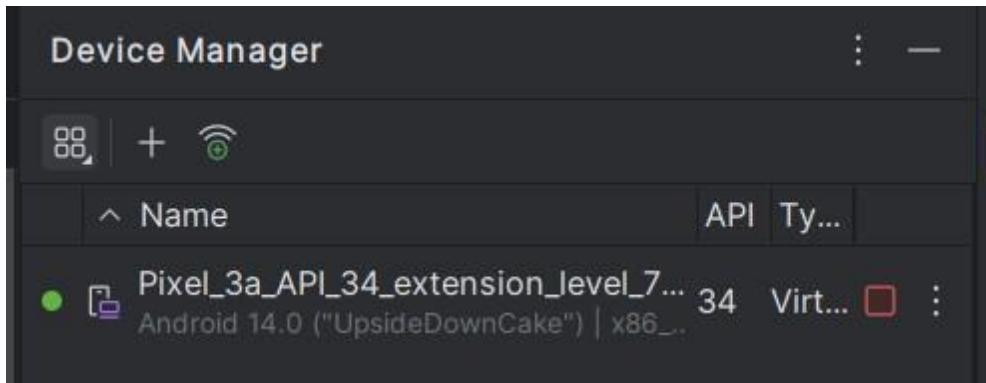

Step 10: - Next, you need to set up an Android emulator. It is responsible for running and testing the Flutter application



Step 10.1: - Open Android Studio and go to Tools > AVD Manager. Create a new virtual device.

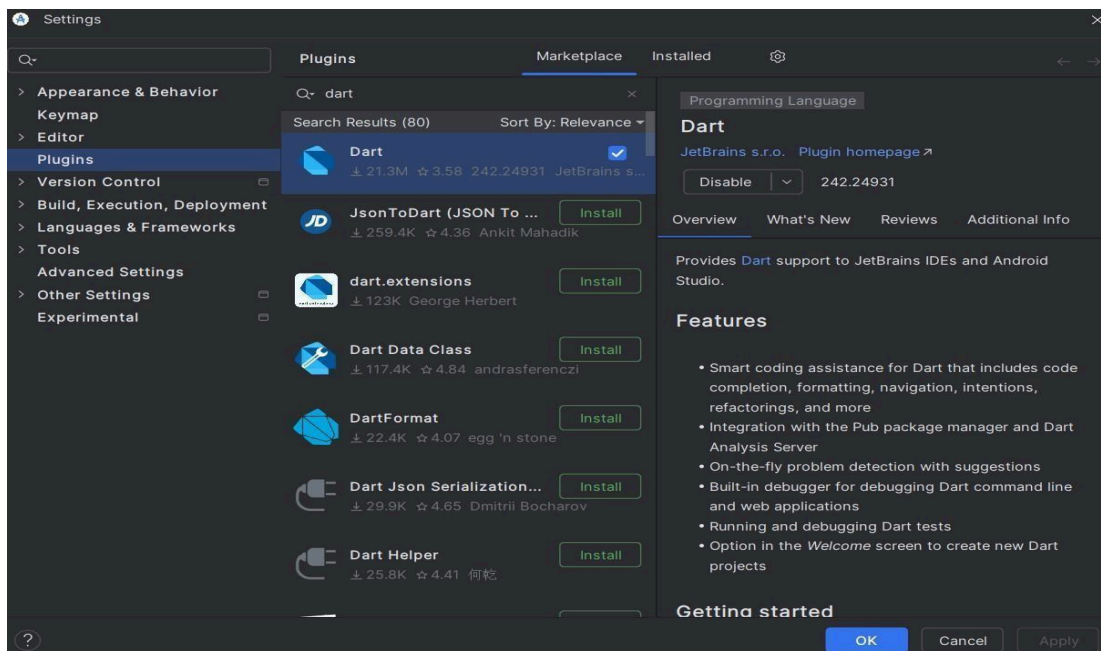
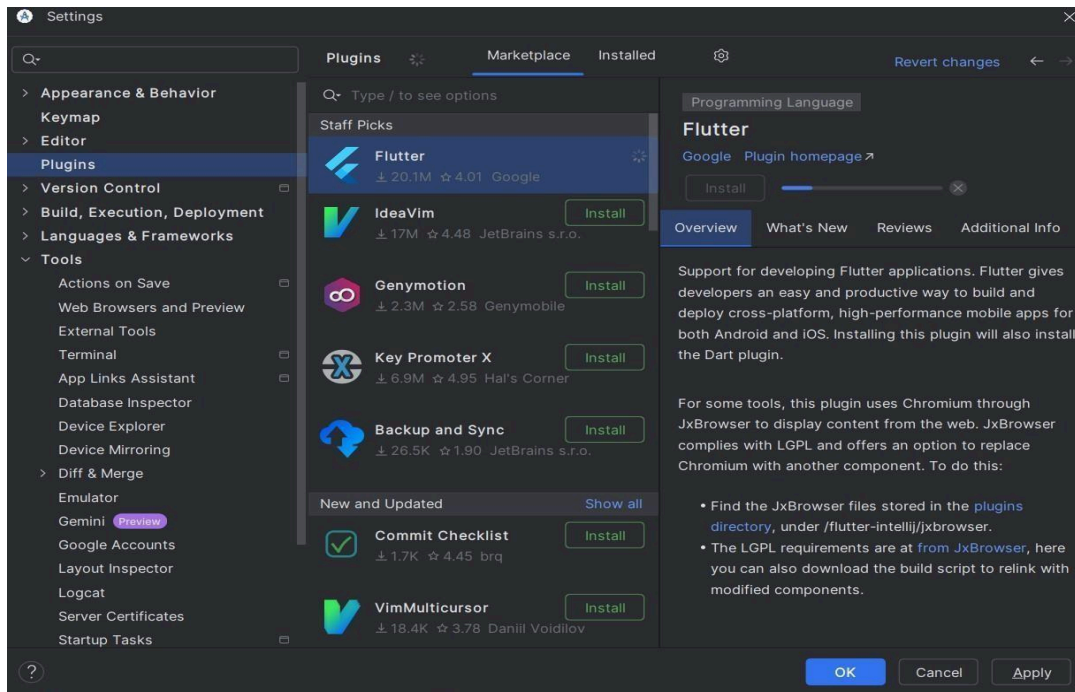


Step 10.2: - Click on the icon pointed into the red color rectangle. The Android emulator displayed as below screen



Step 11:- Now, install Flutter and Dart plugin for building Flutter application in Android Studio. These plugins provide a template to create a Flutter application, give an option to run and debug Flutter application in the Android Studio itself

Step 11.1:- Open the Android Studio and then go to File->Settings->Plugins. Now, search the Flutter plugin. If found, select Flutter plugin and click install



Step 11.2:- Restart the Android Studio

Step 12:- Go to File > New Project > Create Flutter Project, then select the project name and location, and click Next to proceed.