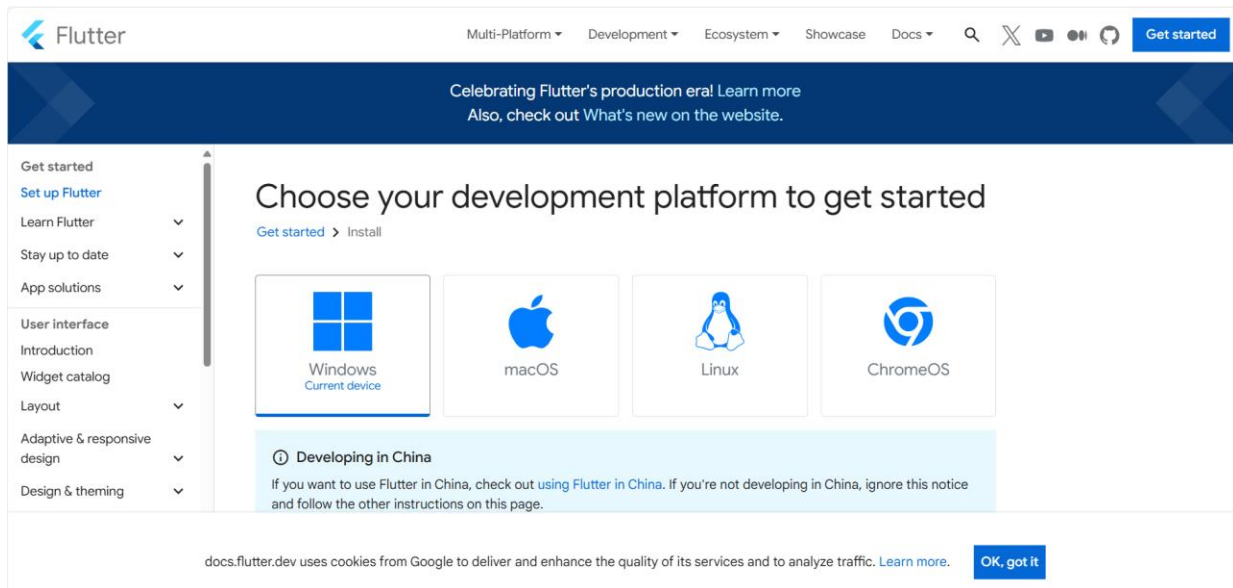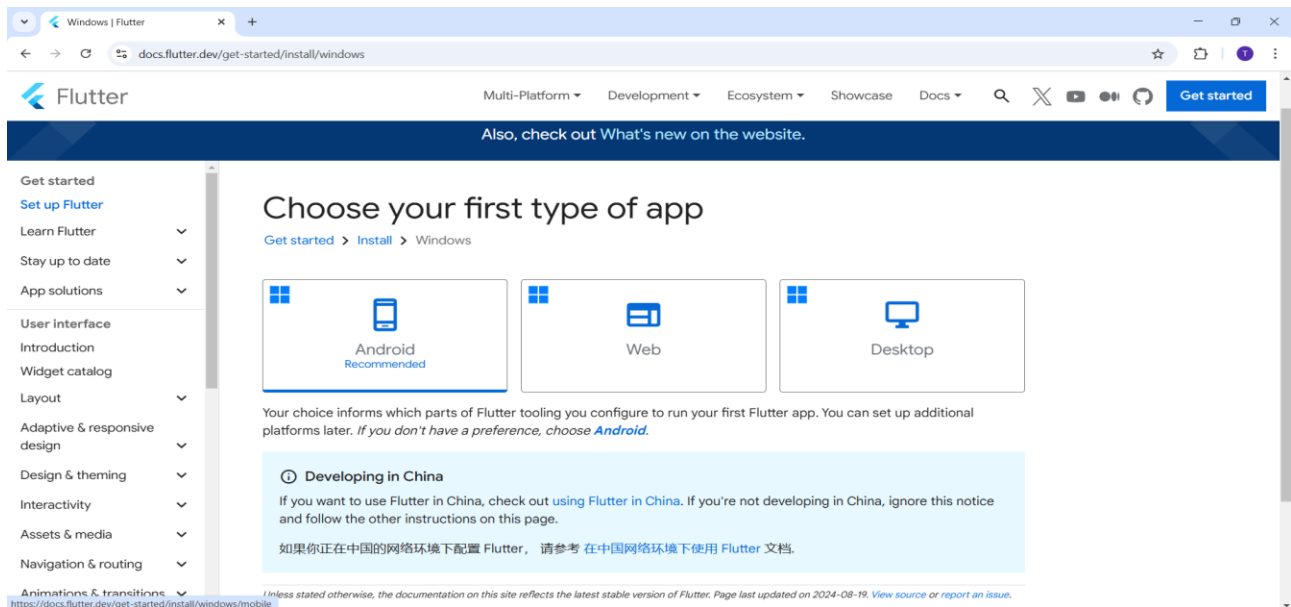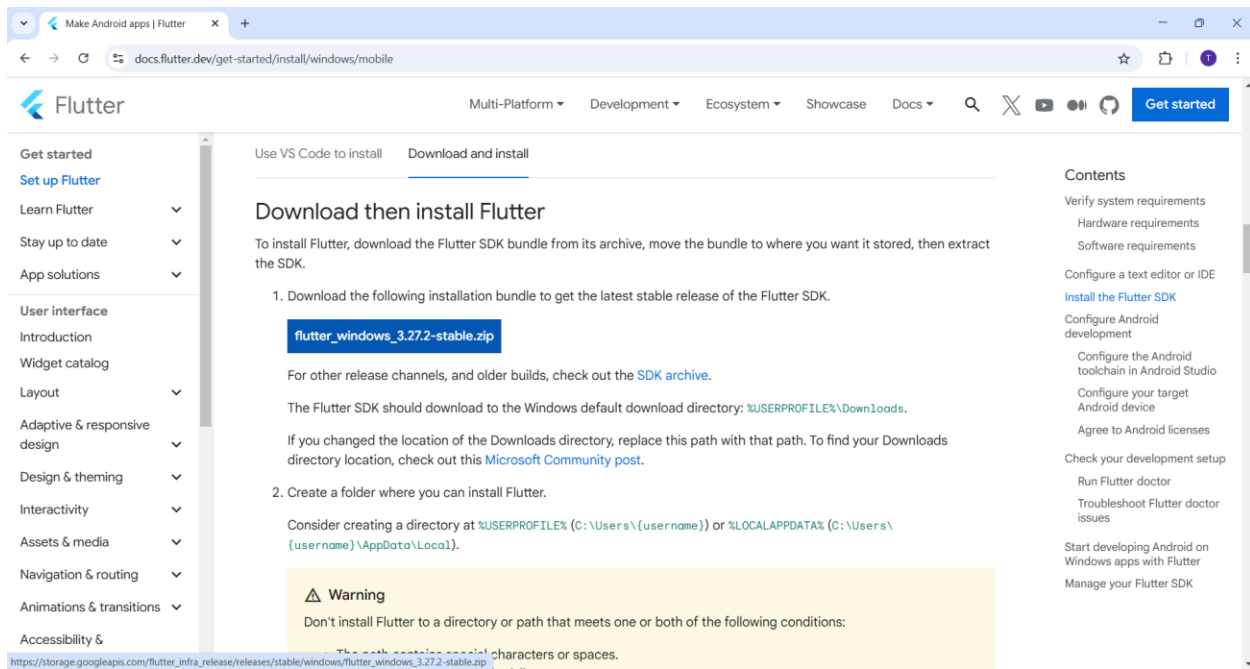# EXPERIMENT NO: - 01

Name:- Tejas Gunjal   **Class:-** D15A   **Roll:No: -** 18

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).

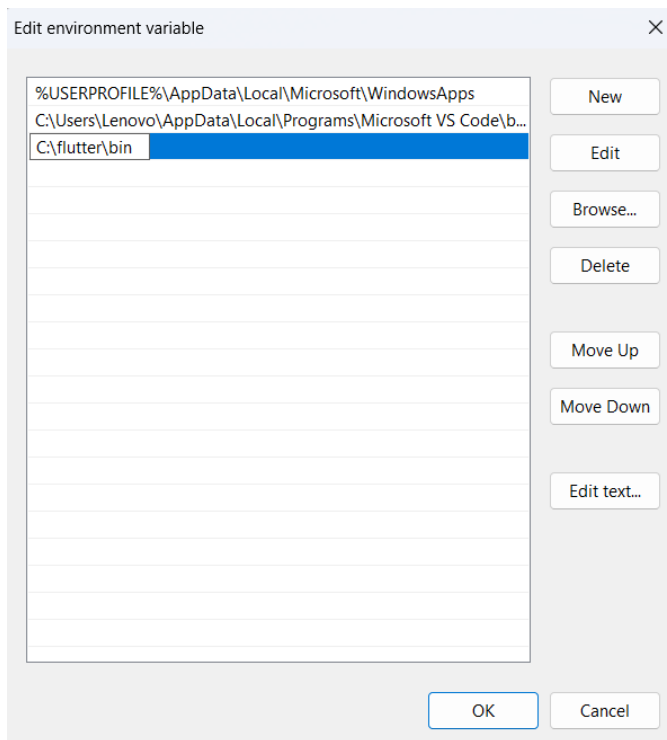**Step 4:** Extract the ZIP file to a folder (e.g., C:\flutter).
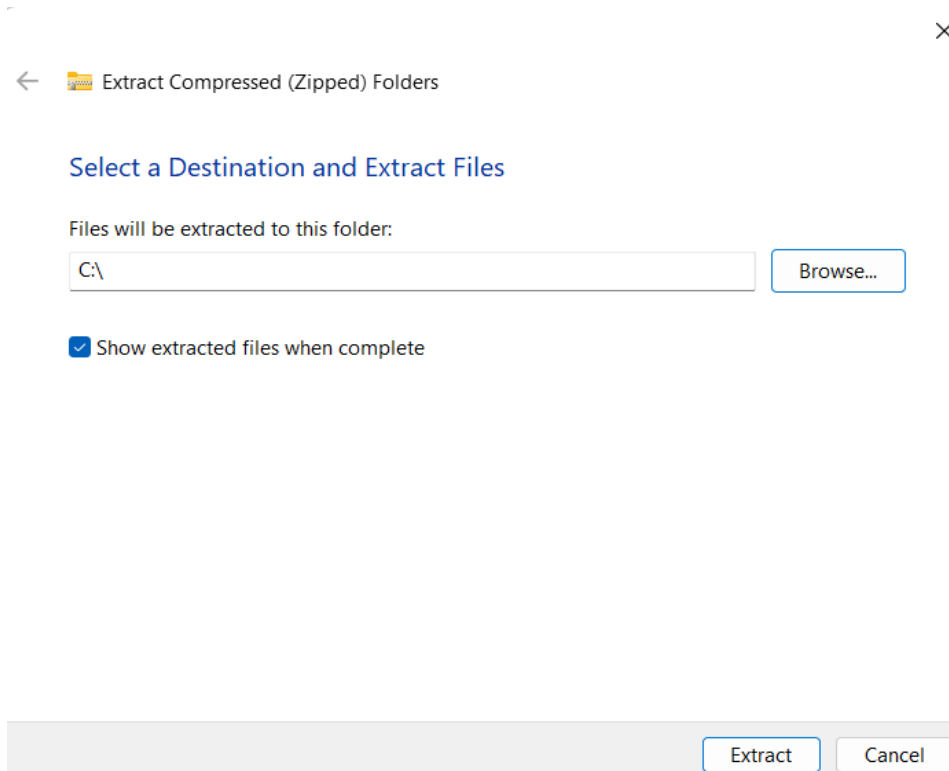
Step 5 :- Add Flutter to System PATH

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 6 : - Now, run the $ flutter command in command prompt.

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

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

Step 8.1: - When the download is complete, open the .exe file and run it. You will get the following dialog box
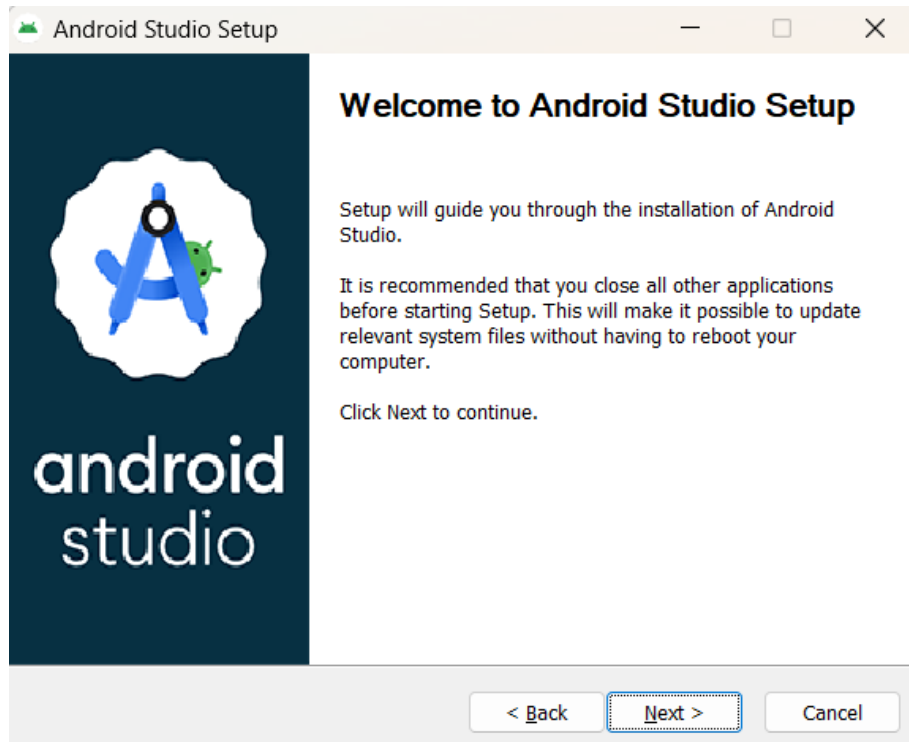
Step 8.2: - Select all the Checkboxes and Click on 'Next' Button.
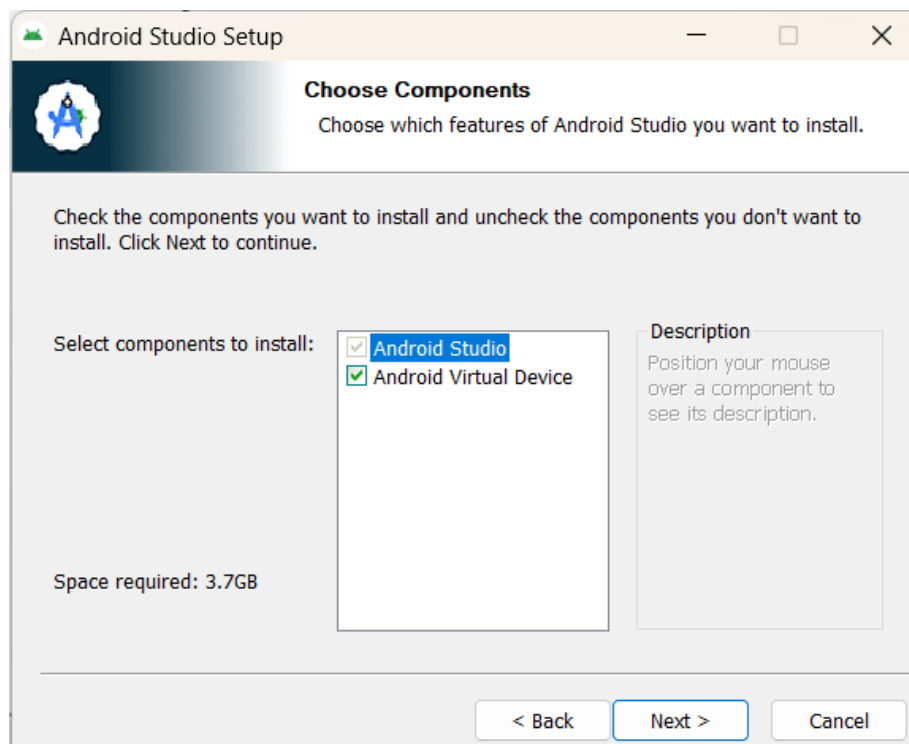
Step 8.3: - Change the destination as per your convenience and click on 'Next' Button.
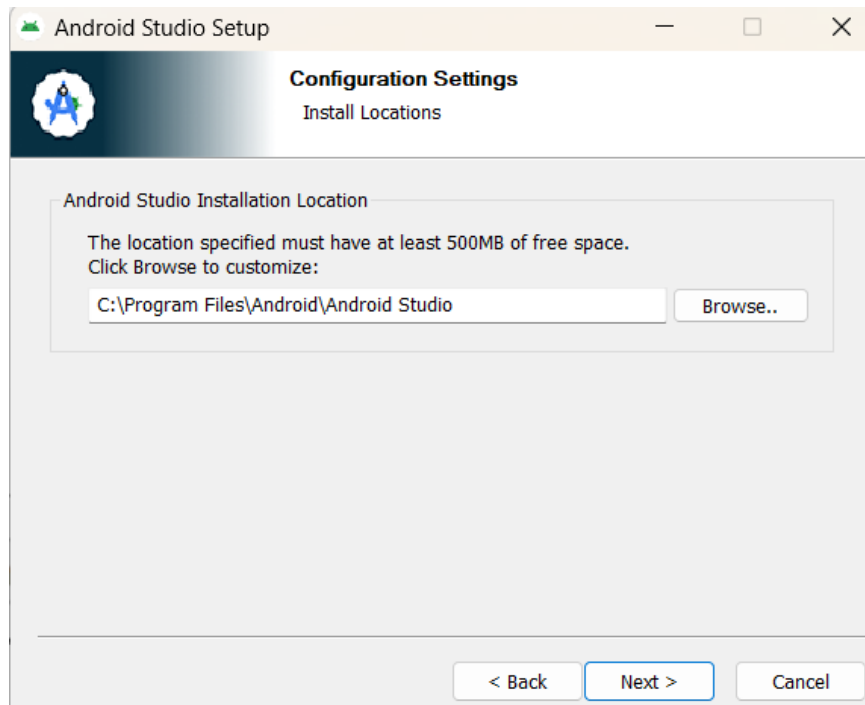
Step 8.4: - Follow the steps of the installation wizard. Once the installation wizard completes, you will get the following screen.
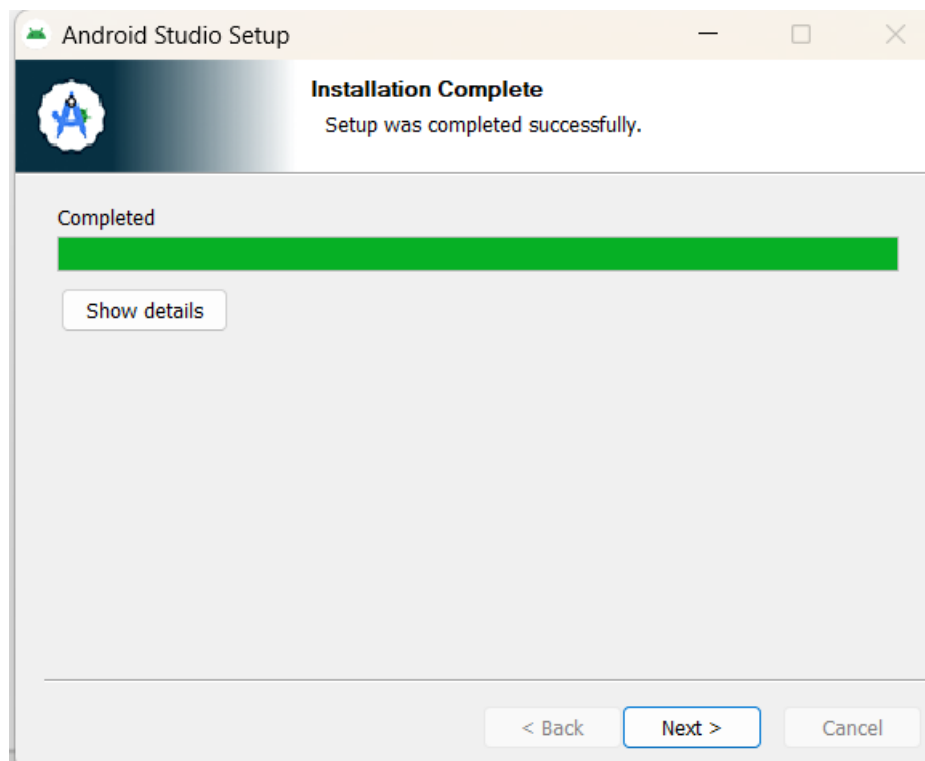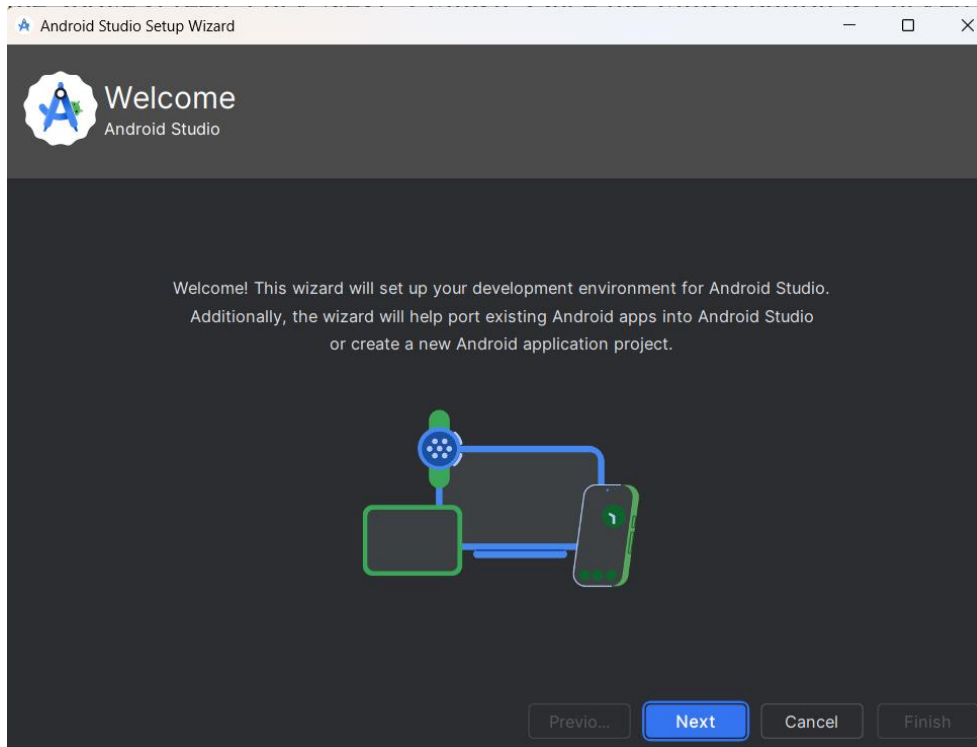
Step 8.5: - Go to Preferences > Appearance & Behavior > System Settings > Android SDK.

Select the SDK Tools tab and check Android SDK Command-line Tools and Install it.
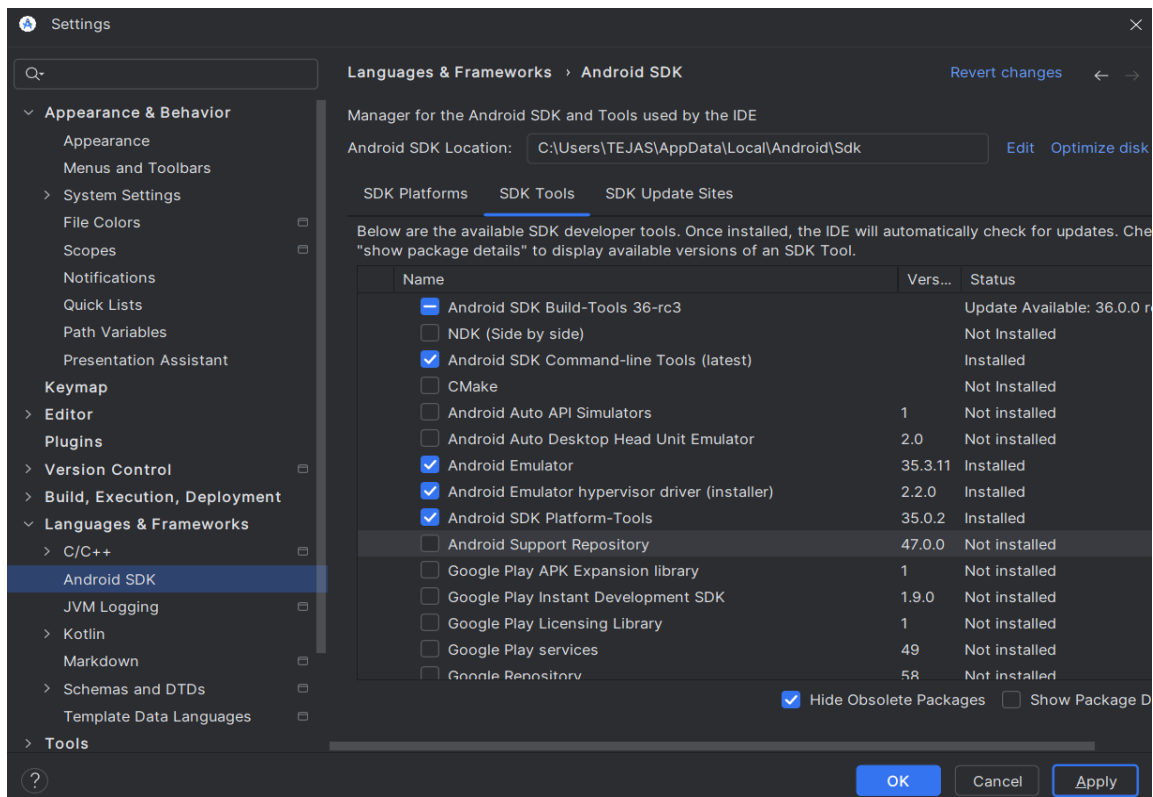
Step 9: - Open a terminal and run the following command

```
Command Prompt - flutter - f    +    v                                              —   □   ✕

C:\Users\TEJAS>flutter doctor --android-licenses
                                                            Warning: Errors during XML parse:
Warning: Additionally, the fallback loader failed to parse the XML.ry...
Warning: Errors during XML parse:
Warning: Additionally, the fallback loader failed to parse the XML.
[=====================================] 100% Computing updates...
6 of 7 SDK package licenses not accepted.
Review licenses that have not been accepted (y/N)? y

1/6: License android-googletv-license:
----------------------------------------
Terms and Conditions

This is the Google TV Add-on for the Android Software Development Kit License Agreement.

1. Introduction

1.1 The Google TV Add-on for the Android Software Development Kit (referred to in this License Agreement as the "Google
TV Add-on" and specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed to y
ou subject to the terms of this License Agreement. This License Agreement forms a legally binding contract between you a
nd Google in relation to your use of the Google TV Add-on.

1.2 "Google" means Google Inc., a Delaware corporation with principal place of business at 1600 Amphitheatre Parkway, Mo
untain View, CA 94043, United States.

2. Accepting this License Agreement

2.1 In order to use the Google TV Add-on, you must first agree to this License Agreement. You may not use the Google TV
Add-on if you do not accept this License Agreement.
```

```
Command Prompt - flutter do    +    v                                              —   □   ✕

Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 3.27.2, on Microsoft Windows [Version 10.0.22631.4751], locale en-US)
[√] Windows Version (Installed version of Windows is version 10 or higher)
[√] Android toolchain - develop for Android devices (Android SDK version 35.0.1)
[√] Chrome - develop for the web
[!] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.12.4)
    X The current Visual Studio installation is incomplete.
      Please use Visual Studio Installer to complete the installation or reinstall Visual Studio.
[√] Android Studio (version 2024.2)
[√] VS Code (version 1.96.4)
[√] Connected device (3 available)
[√] Network resources

! Doctor found issues in 1 category.

C:\Users\TEJAS>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[√] Flutter (Channel stable, 3.27.2, on Microsoft Windows [Version 10.0.22631.4751], locale en-US)
[√] Windows Version (Installed version of Windows is version 10 or higher)
[√] Android toolchain - develop for Android devices (Android SDK version 35.0.1)
[√] Chrome - develop for the web
[√] Visual Studio - develop Windows apps (Visual Studio Community 2022 17.12.4)
[√] Android Studio (version 2024.2)
[√] VS Code (version 1.96.4)
[√] Connected device (3 available)
[√] Network resources

• No issues found!

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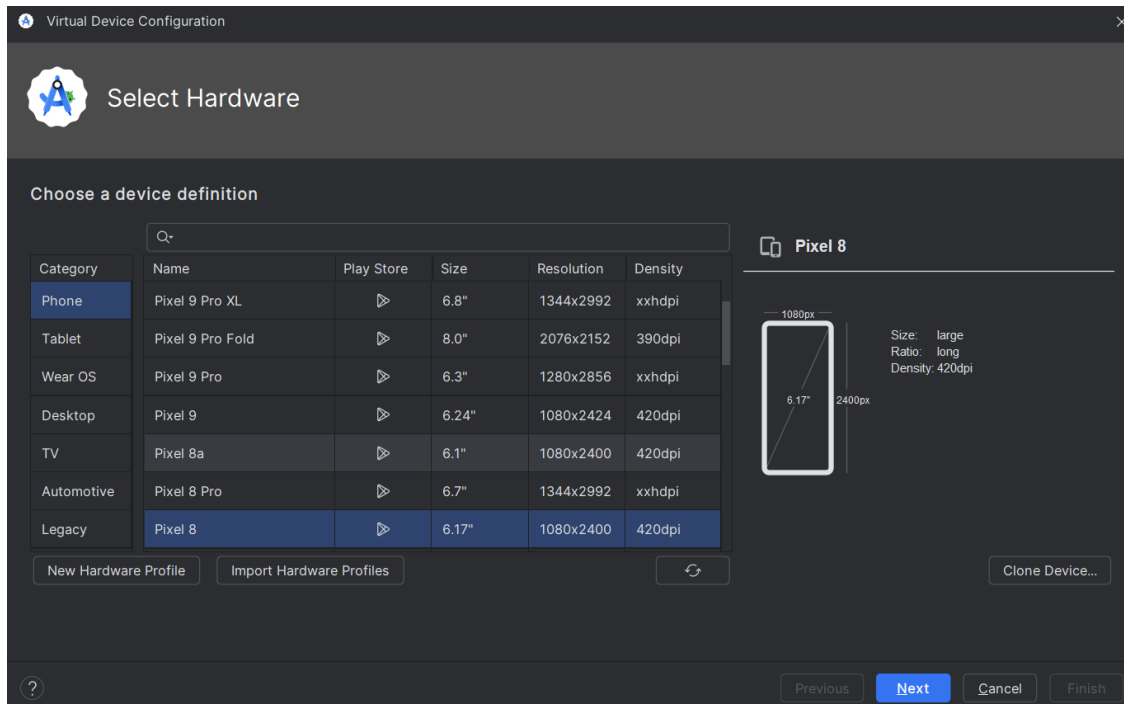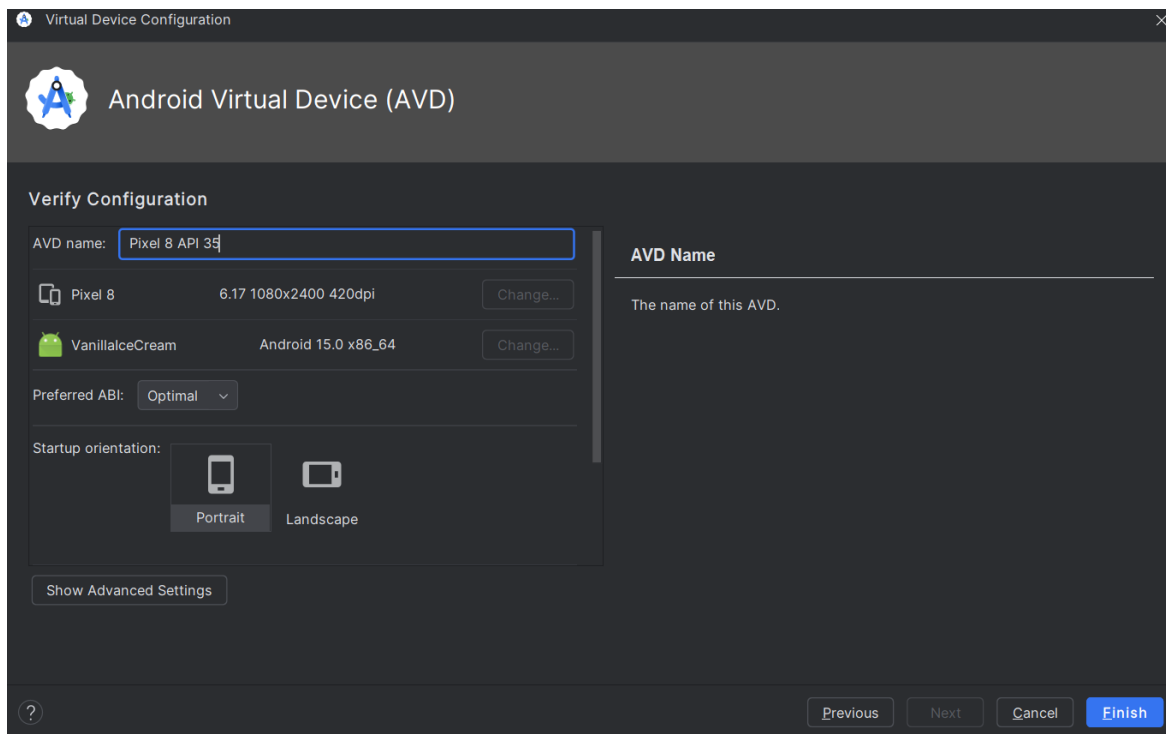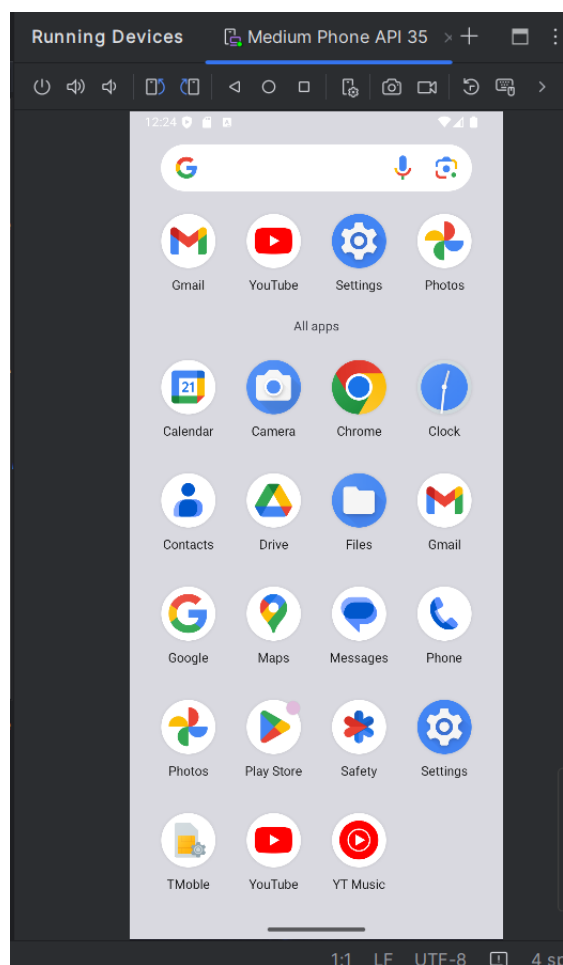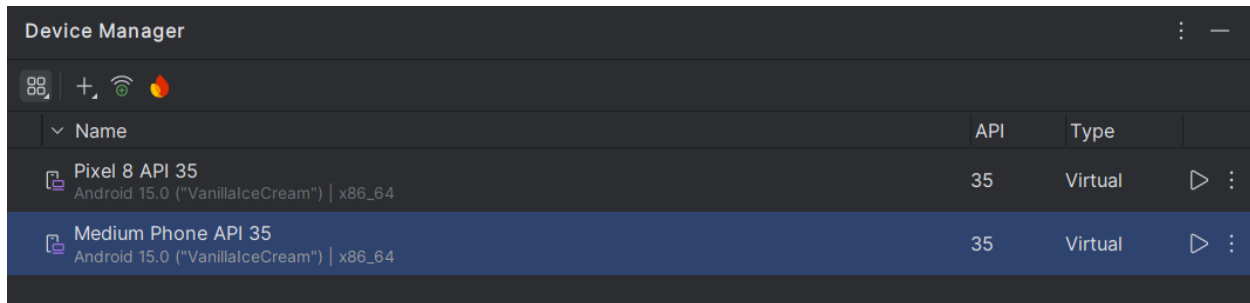
Step 10: - Next, you need to set up an Android emulator. It is responsible for running and testing the Flutter application

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
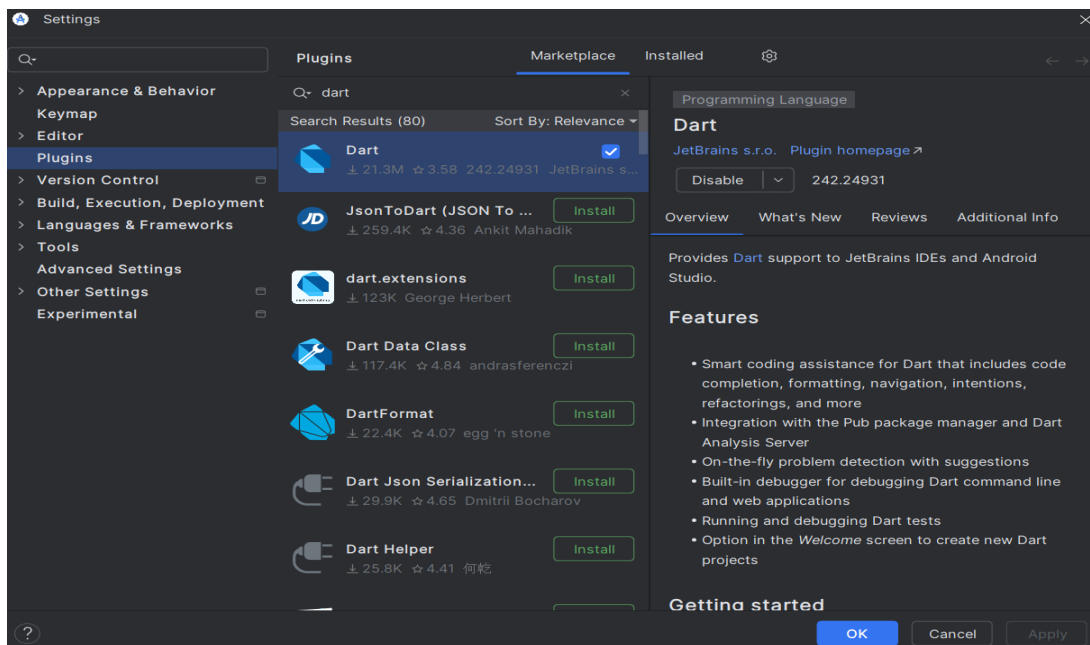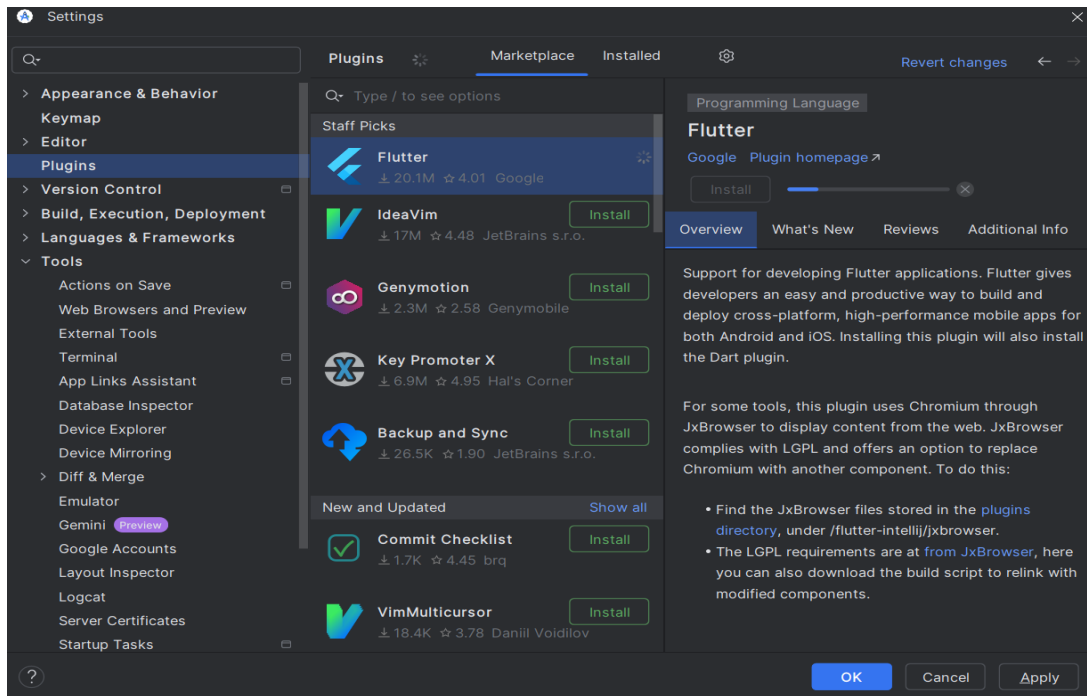
Step 11.2: - Restart the Android Studio

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