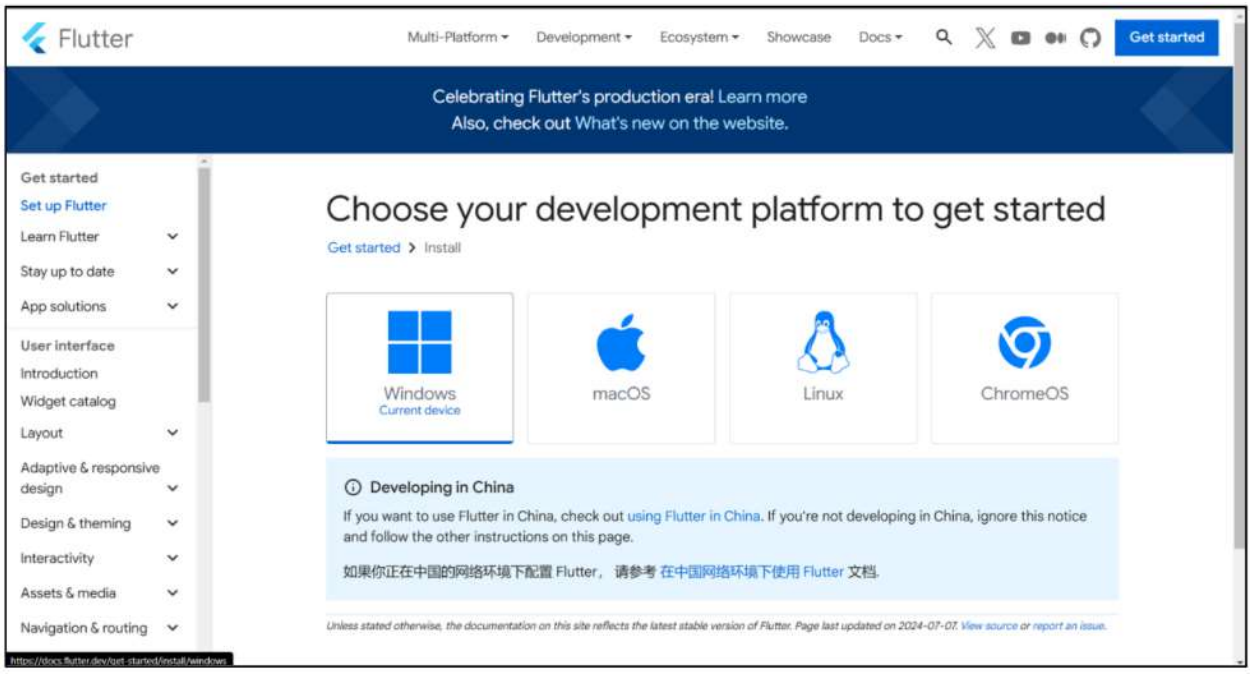
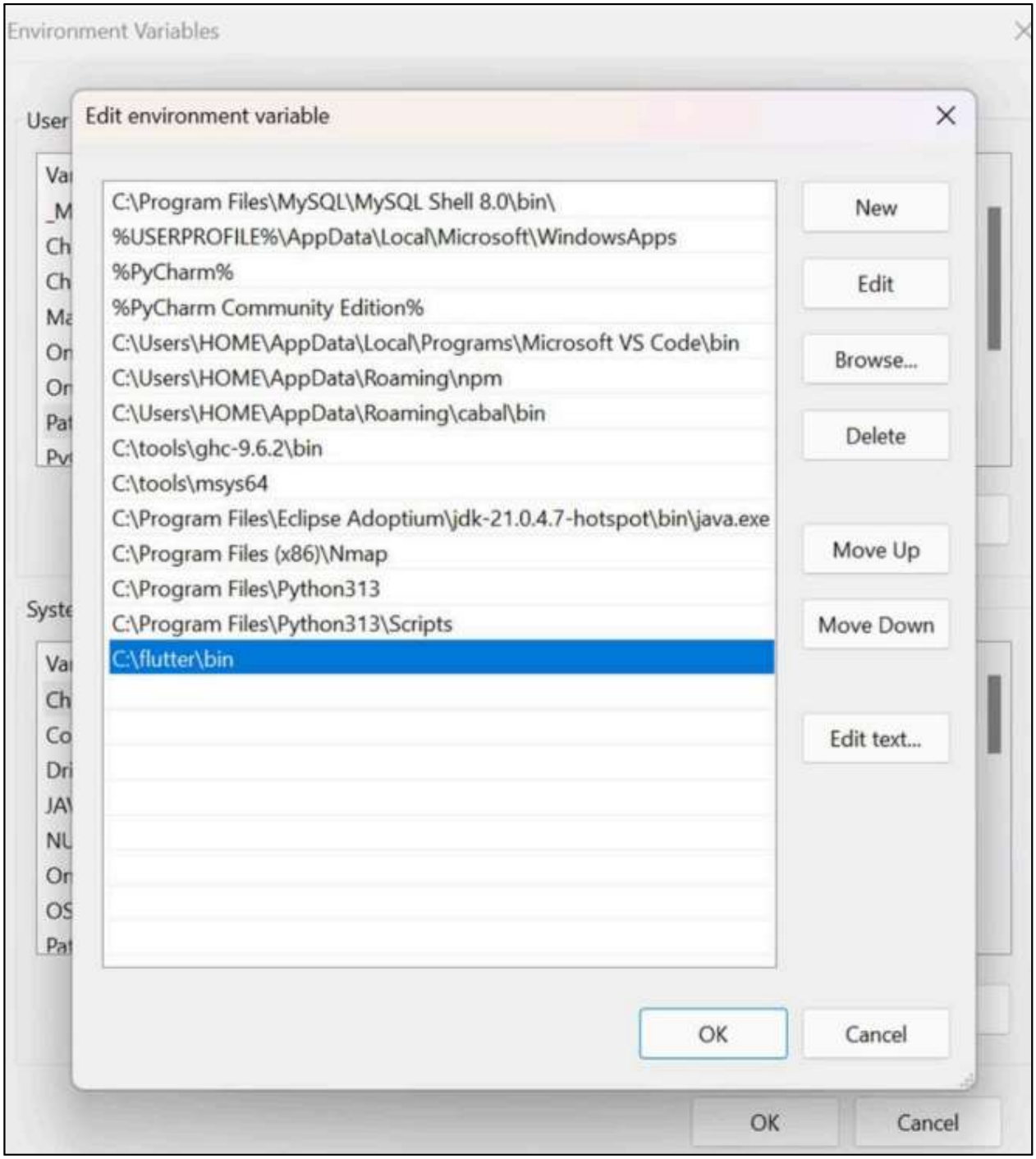
EXPERIMENT NO 1

Name: Palak Chanchlani
Class: D15A
Roll No: 05

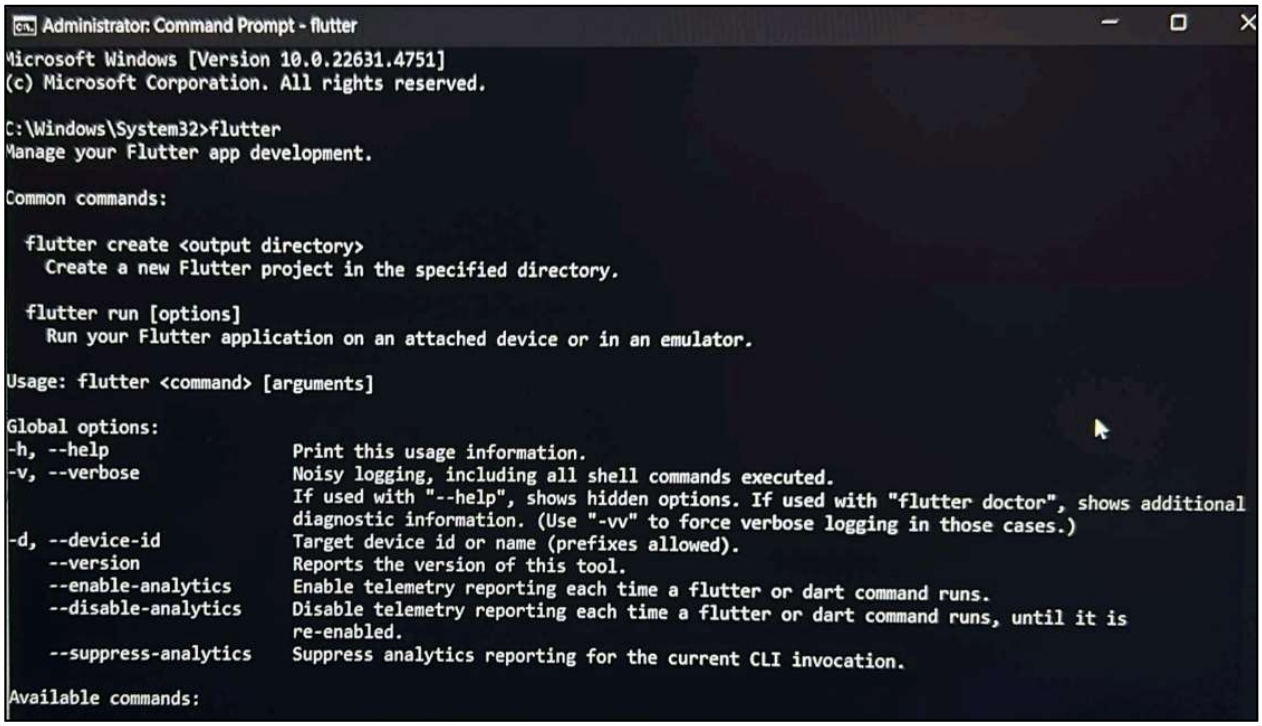
AIM: Installation and Configuration of Flutter Environment.
:
Step 1: Install Flutter



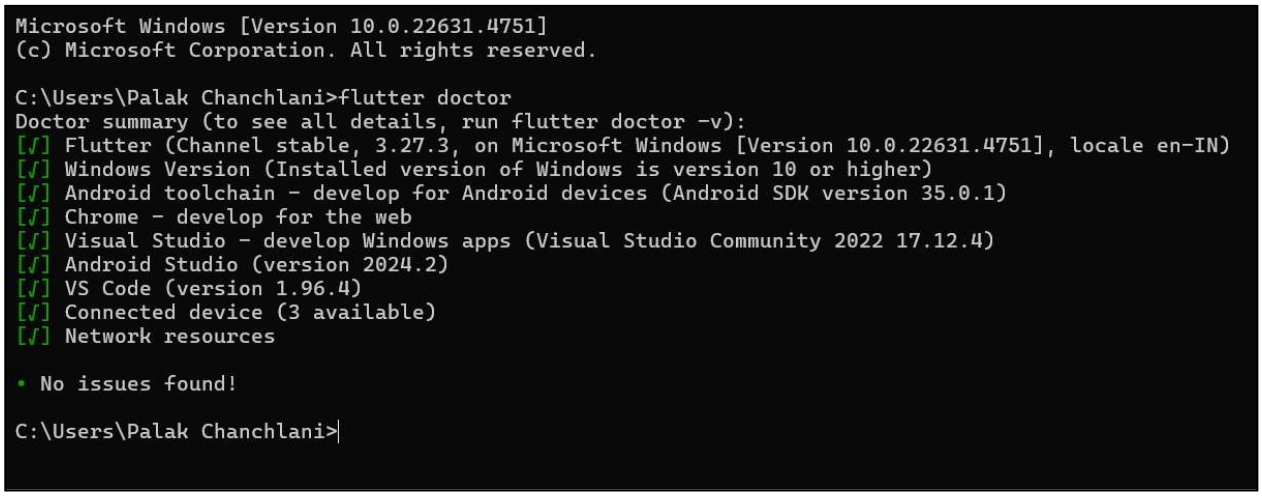
Step 2: Setting the Environment Variable



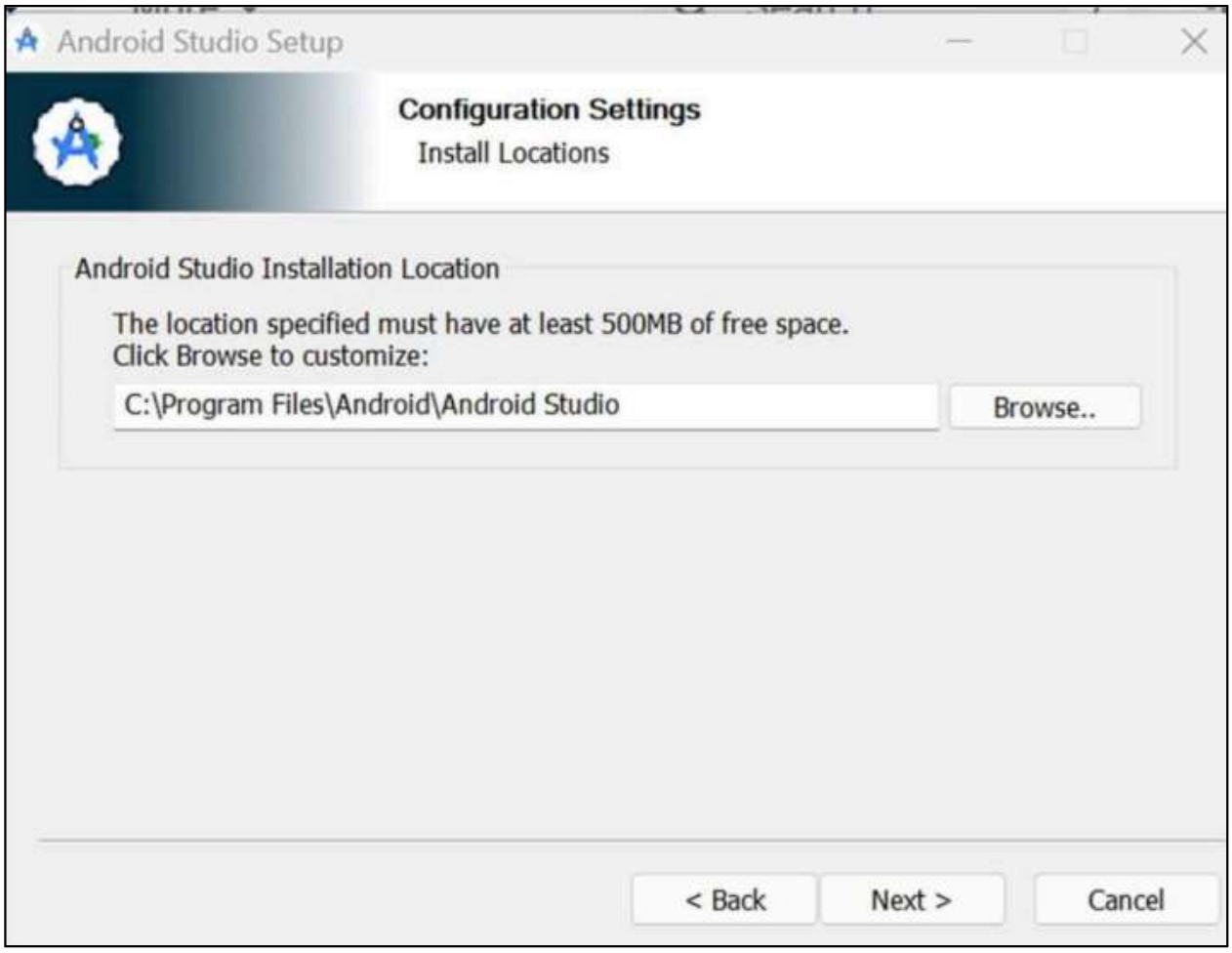
Step3: Running Flutter command



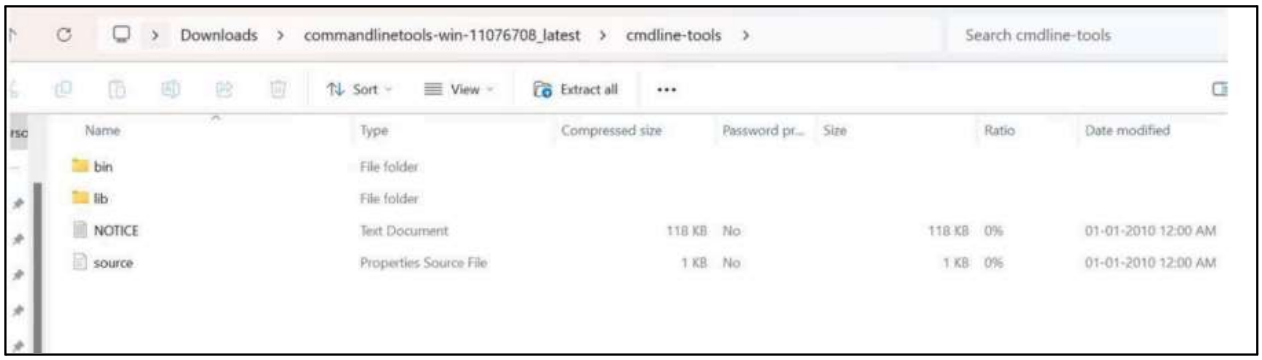
Step4: Running flutter doctor



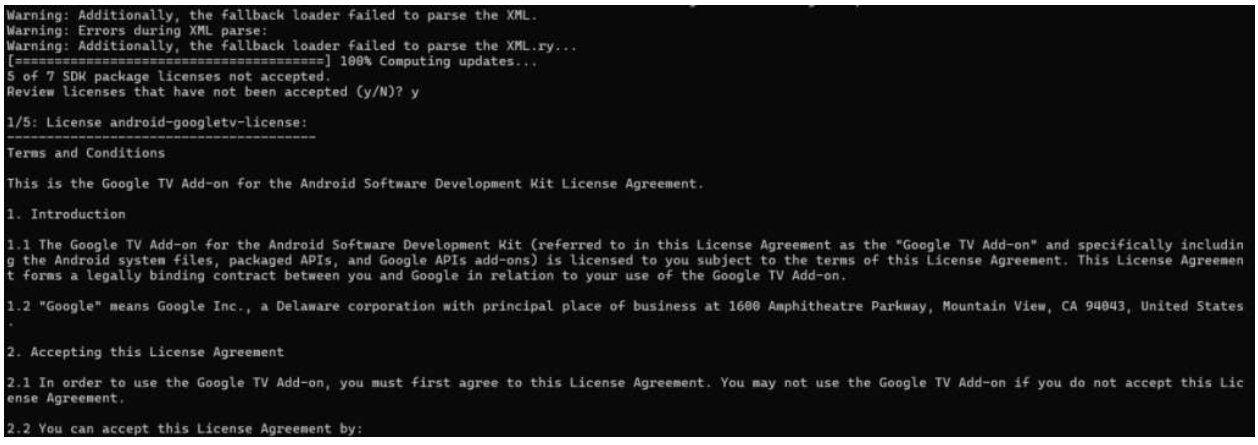
Step 5: Downloading Android SDK



Step 6: Downloaded command line tools of Android SDK



Step7: Accepted the Android licenses Successful Running of flutter doctor command



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ense agreement.
---------------------------------------
Accept? (y/N): Y
All SDK package licenses accepted
```

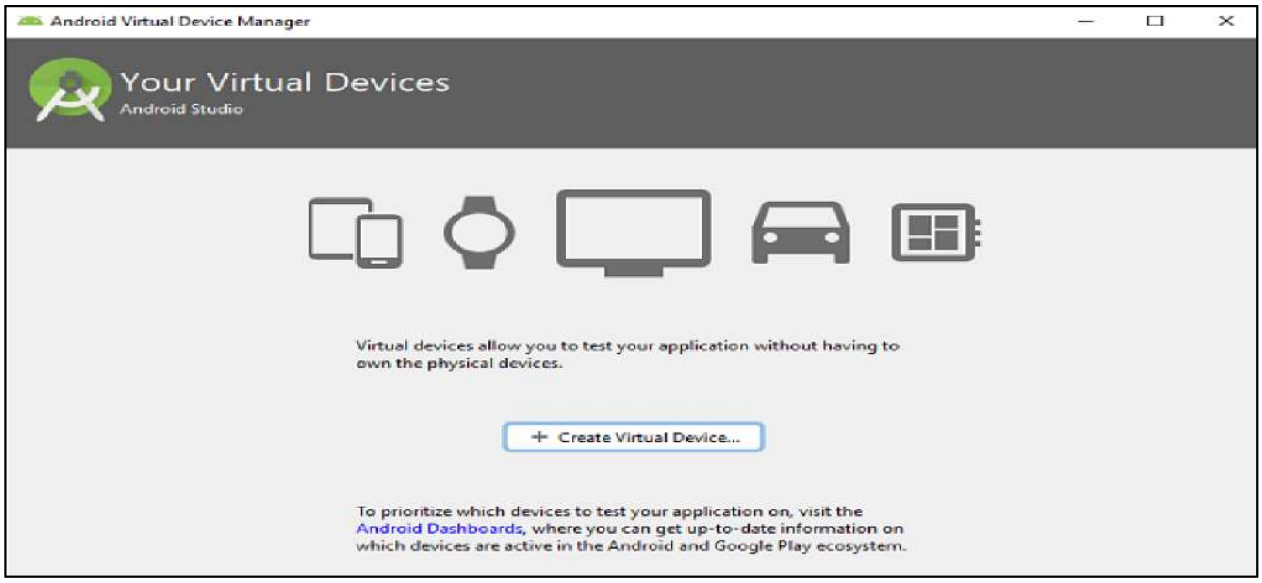
```
Microsoft Windows [Version 10.0.22631.4751]
(c) Microsoft Corporation. All rights reserved.

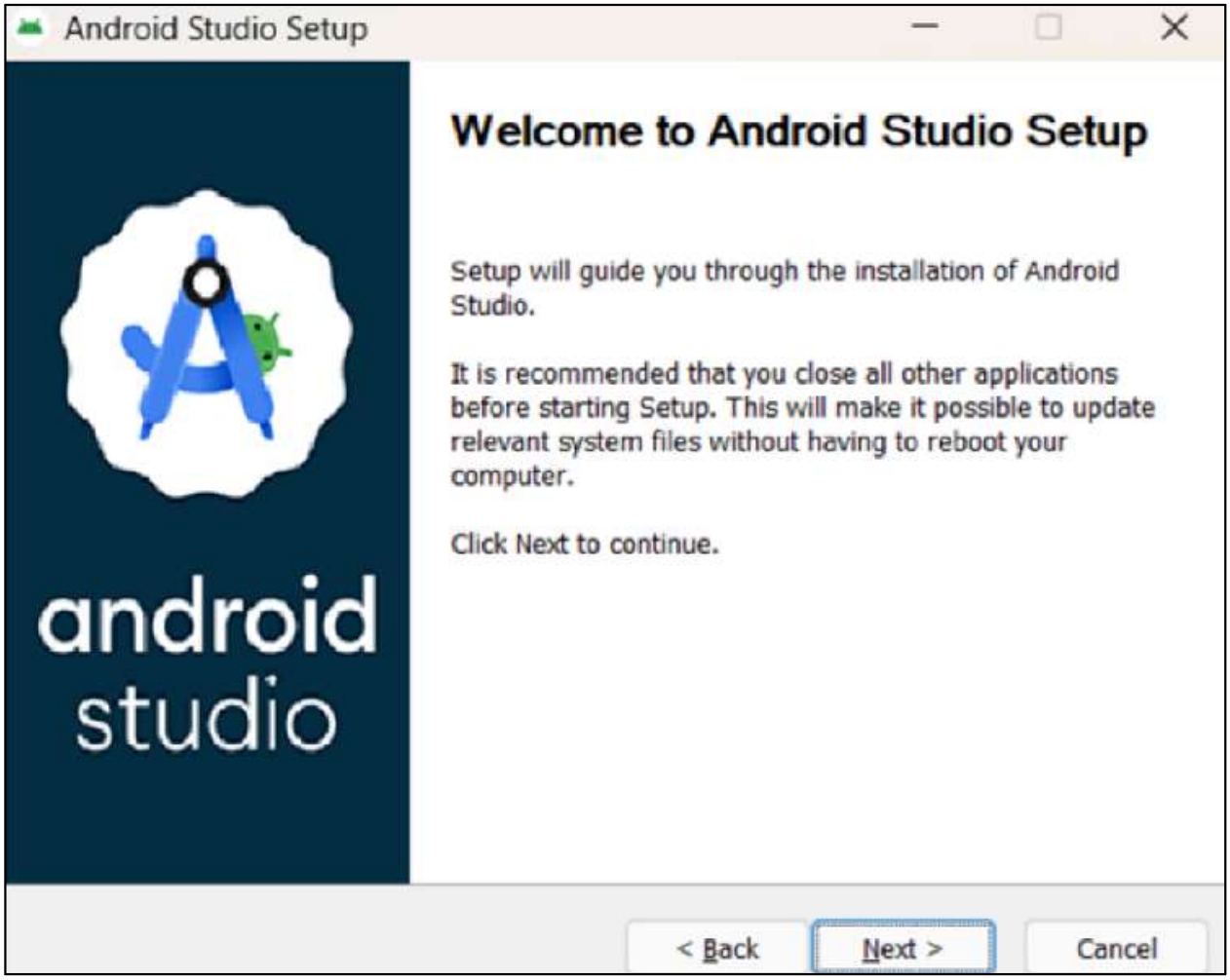
C:\Users\Palak Chanchlani>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.22631.4751], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 35.0.1)
[✓] 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!

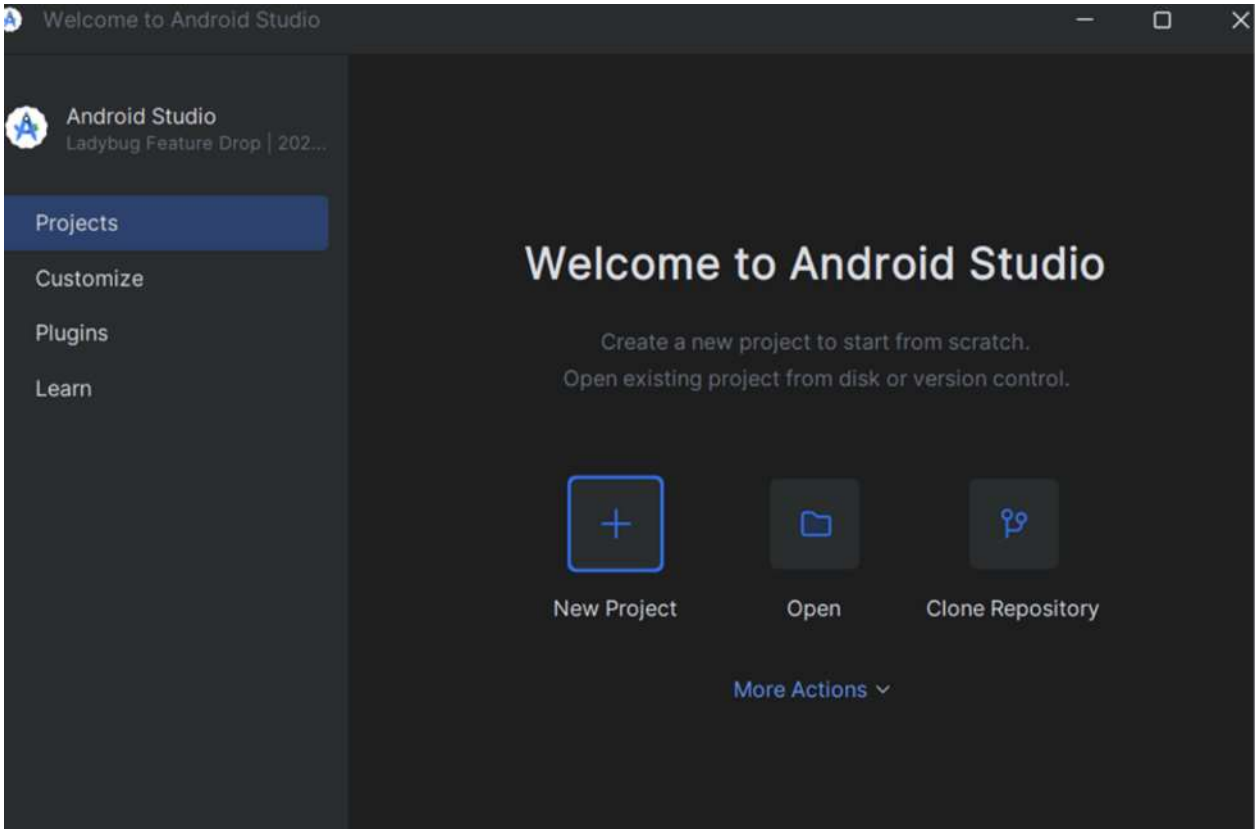
C:\Users\Palak Chanchlani>
```

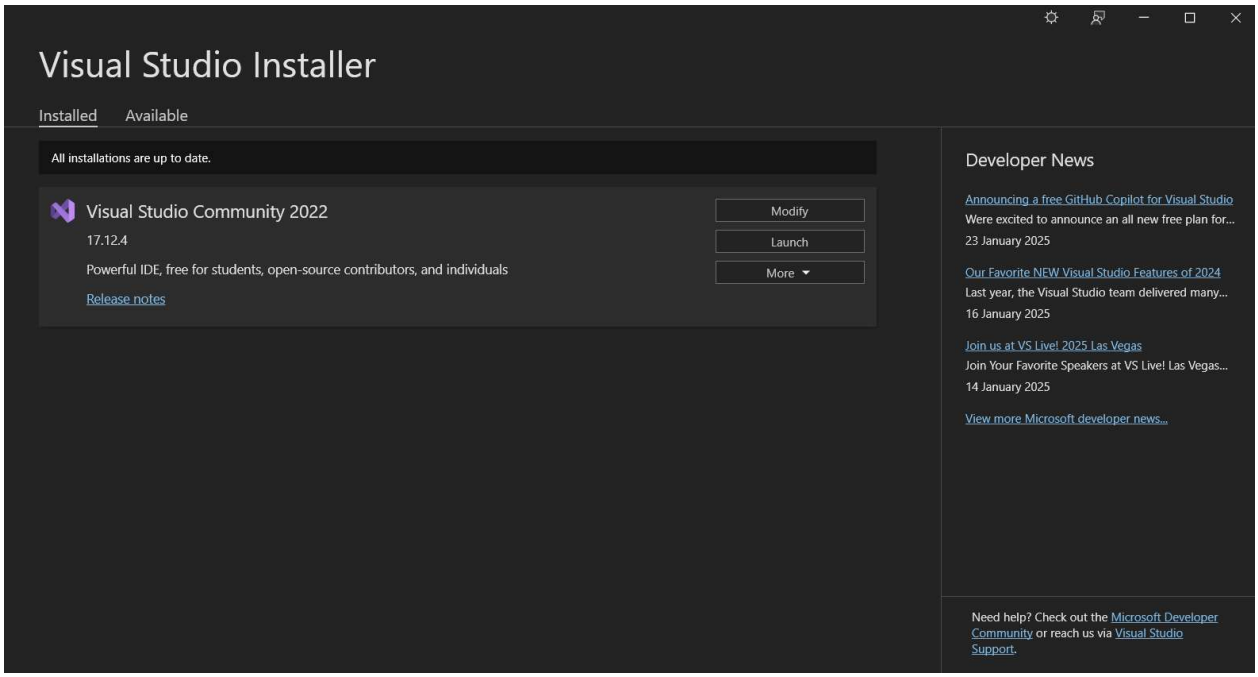
Step 8: Next, you need to set up an Android emulator. It is responsible for running and testing the Flutter application.
Step 8.1: To set an Android emulator, go to Android Studio > Tools > Android > AVD Manager and select Create Virtual Device. Or, go to Help->Find Action->Type Emulator in the search box. You will get the following screen.


Android Virtual Device Manager
Your Virtual Devices
Android Studio
Virtual devices allow you to test your application without having to own the physical devices.
+ Create Virtual Device...
To prioritize which devices to test your application on, visit the Android Dashboards, where you can get up-to-date information on which devices are active in the Android and Google Play ecosystem.


Android Studio Setup
android studio
Welcome to Android Studio Setup
Setup will guide you through the installation of Android Studio.
It is recommended that you close all other applications before starting Setup. This will make it possible to update relevant system files without having to reboot your computer.
Click Next to continue.
< Back
Next >
Cancel

Step 8.2: Choose your device definition and click on Next.





Step 8.3: Select the system image for the latest Android version and click on Next.
Step 8.4: Now, verify the all AVD configuration. If it is correct, click on Finish. The following screen appears.

```dart
import 'package:flutter/material.dart';

void main() {
 runApp(MyApp());
}

class MyApp extends StatelessWidget {
 @override
 Widget build(BuildContext context) {
   return MaterialApp(
     home: Scaffold(
       appBar: AppBar(
         title: Text('Hello World'),
       ),
       body: Center(
         child: Text('Hello, World Palak Chanchlani!'),
       ),
     ),
   );
 }
}
```