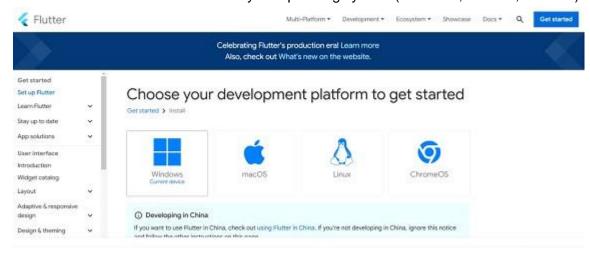
# MPL Experiment 1

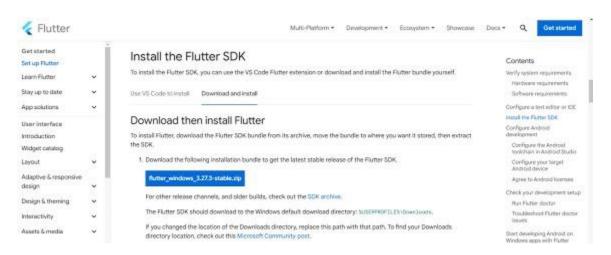
Name: Mohit Patil Class: D15A Roll no:36

Aim: Installation and Configuration of Flutter Environment.

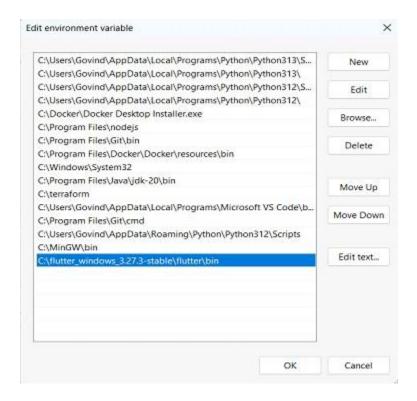
### Step 1: Install Flutter

- Download Flutter SDK from the official Flutter website (<a href="https://flutter.dev/">https://flutter.dev/</a>).
- Download the Flutter SDK for your operating system (Windows, macOS, or Linux).





- Extract the downloaded zip file to a preferred location on your computer (e.g., C:\src\flutter for Windows).
- Add Flutter to the PATH
- Locate the flutter\bin directory in the extracted Flutter folder.
- Add this directory to your system's PATH environment variable.



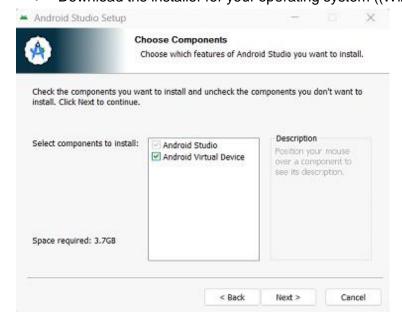
# **Verify the Installation**

- Open a terminal or command prompt.
- Run the command: flutter and flutter doctor.



### Step 2: Install Android Studio

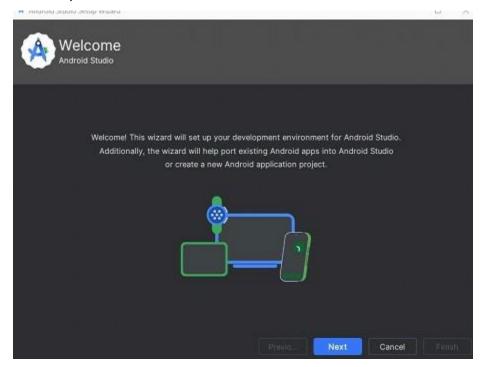
- Download Android Studio
- Go to the Android Studio website. (<a href="https://developer.android.com/studio">https://developer.android.com/studio</a>)
- Download the installer for your operating system ((Windows, macOS, or Linux)).



- Run the installer and follow the setup wizard.
- Choose the standard installation option.

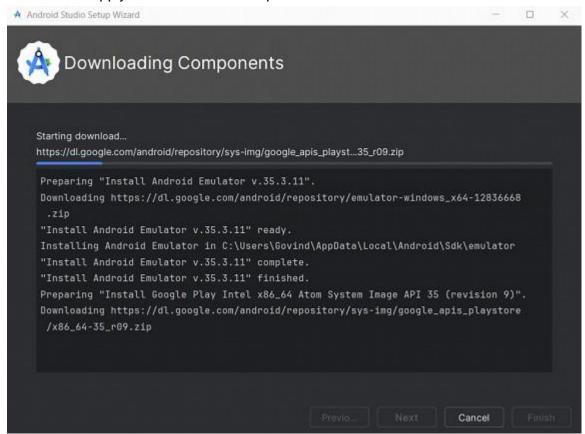


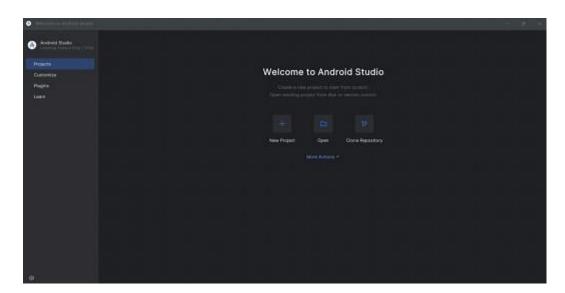
- Install Android SDK Tools
- Open Android Studio.



• Go to Settings/Preferences > Appearance & Behavior > System Settings > Android SDK.

- Select the latest Android API level.
- Ensure "Android SDK Platform" and "Android Virtual Device (AVD)" are selected.
- Click "Apply" and wait for the components to install.

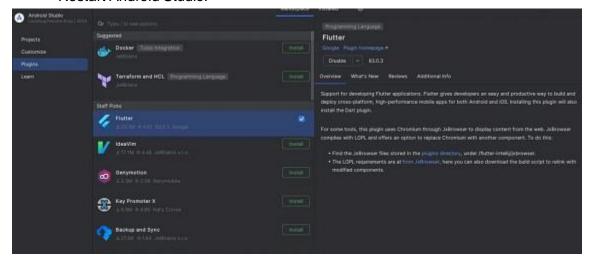




## Step 3: Connect Flutter with Android Studio

- Install Flutter and Dart Plugins
- Open Android Studio. Go to File > Settings (Windows/Linux) > Plugins.

- Search for "Flutter" and click "Install." Dart will be installed automatically.
- Restart Android Studio.



### Step 4: Create a New Flutter Project

- Click on New Flutter Project.
- Enter project details and select the Flutter SDK path.
- Click "Finish" to create the project.
- Connect the USB to the device and run the flutter application.

NOTE: In your mobile device, make sure the USB debugging is turned on.

#### Code:

```
proj1 > lib > 🤏 main.dart > ધ MyApp > 😚 build
     import 'package:flutter/material.dart';
     void main() {
       runApp(app: const MyApp());
     Codeium: Refactor | Explain
     class MyApp extends StatelessWidget {
       const MyApp({super.key});
       @override
       Widget build(BuildContext context) {
          return MaterialApp(
            home: Scaffold(
              appBar: AppBar(
               title: const Text(data: 'welcome'),
              body: const Center(
                child: Text(
                  data: 'Hello im Mohit Patil lets create the app!',
                  style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),
          ); // MaterialApp
24
```



Conclusion: Hello message, is successfully run on the flutter app.