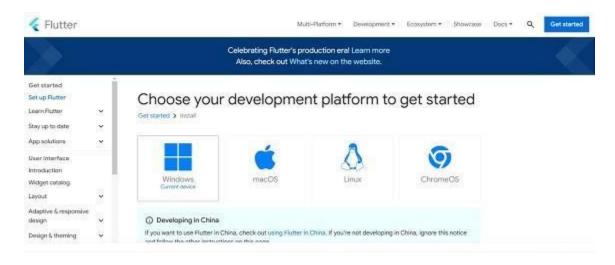
MPL Experiment 1

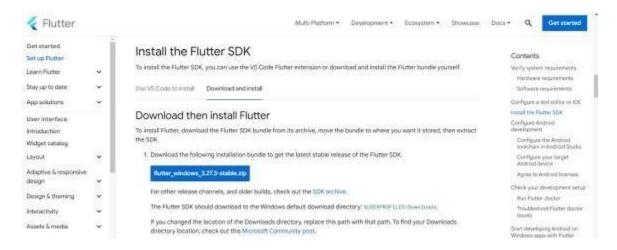
Name: Soham Satpute Class: D15A Roll no:51

Aim: Installation and Configuration of Flutter Environment.

Step 1: Install Flutter

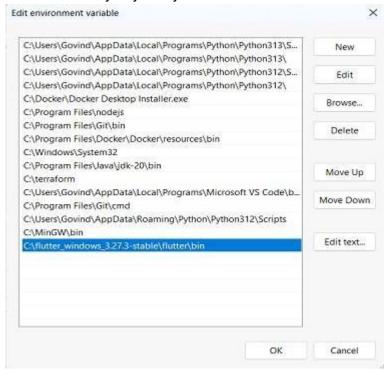
- Download Flutter SDK from the official Flutter website (https://flutter.dev/).
- Download the Flutter SDK for your operating system (Windows, macOS, or Linux).





- 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**.

```
PS C:\Users\Soham Satpute> flutter doctor
Doctor summary (to see all details, run flutter doctor -v): [\sqrt{]} Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version
  10.0.26100.2894], 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
     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 (version 2024.2)
    IntelliJ IDEA Ultimate Edition (version 2024.3)
    VS Code (version 1.96.4)
    Connected device (3 available)
    Network resources
 ! Doctor found issues in 1 category.
PS C:\Users\Soham Satpute>
```

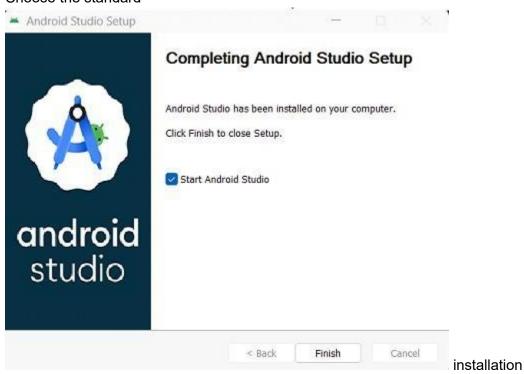


Step 2: Install Android Studio

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



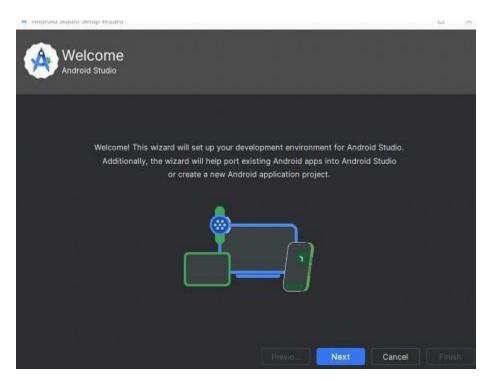
- Run the installer and follow the setup wizard.
- Choose the standard



option.

- •
- •

• Install Android SDK Tools • Open Android Studio.



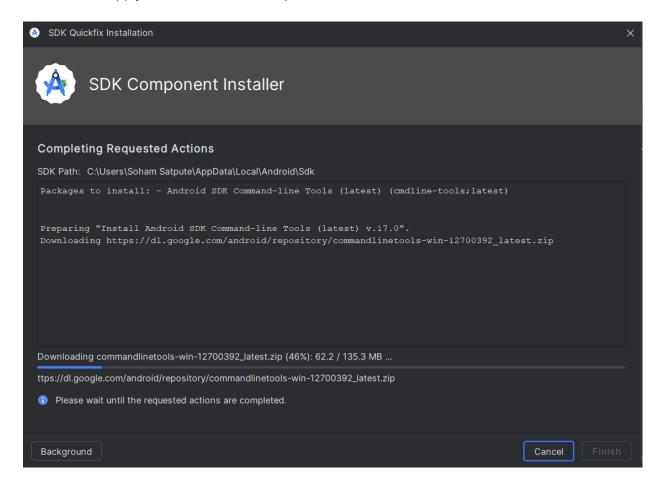
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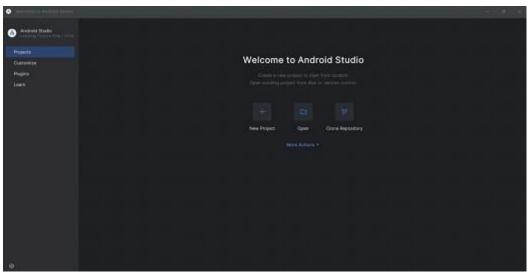
 Go to Settings/Preferences > Appearance & Behavior > System Settings > Android SDK.

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.

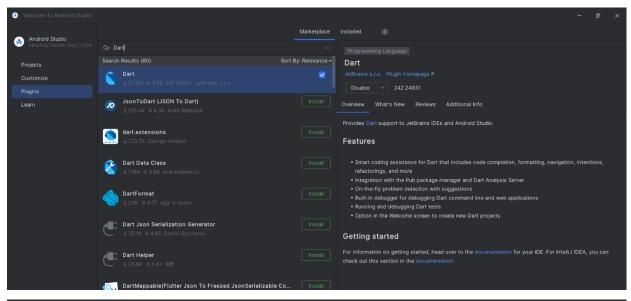


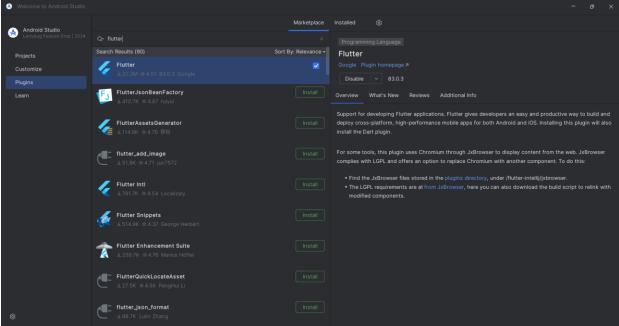


•

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.

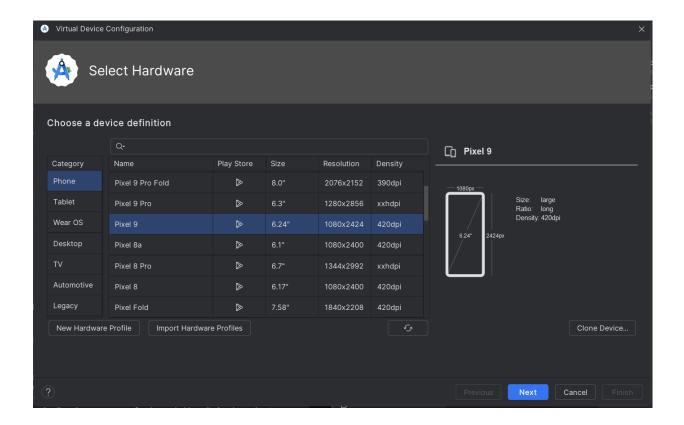




Step 4: Create a New Flutter Project

- 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:

```
| Semble Device | Paul S API 35 (mobile) | Paul API 35 (mobile) | Pa
```

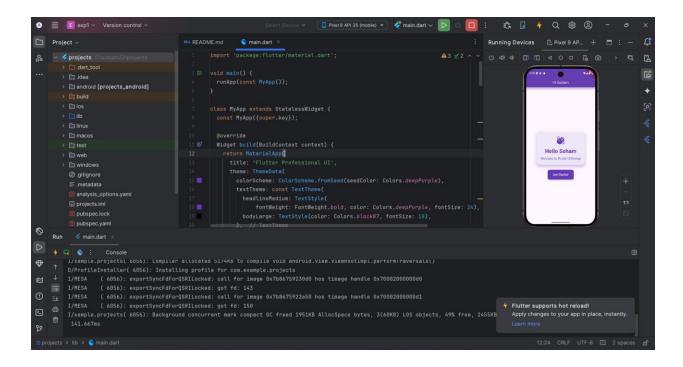


Hi Soham



Welcome to Flutter UI Design

Get Started



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