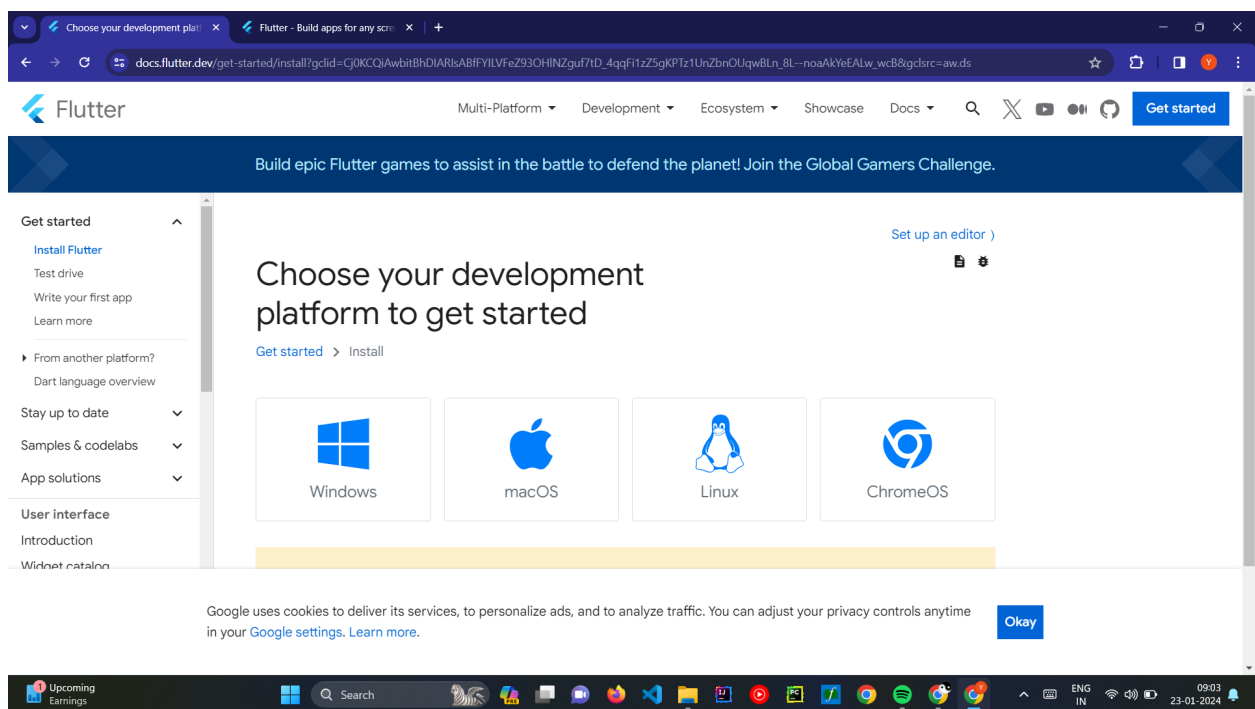


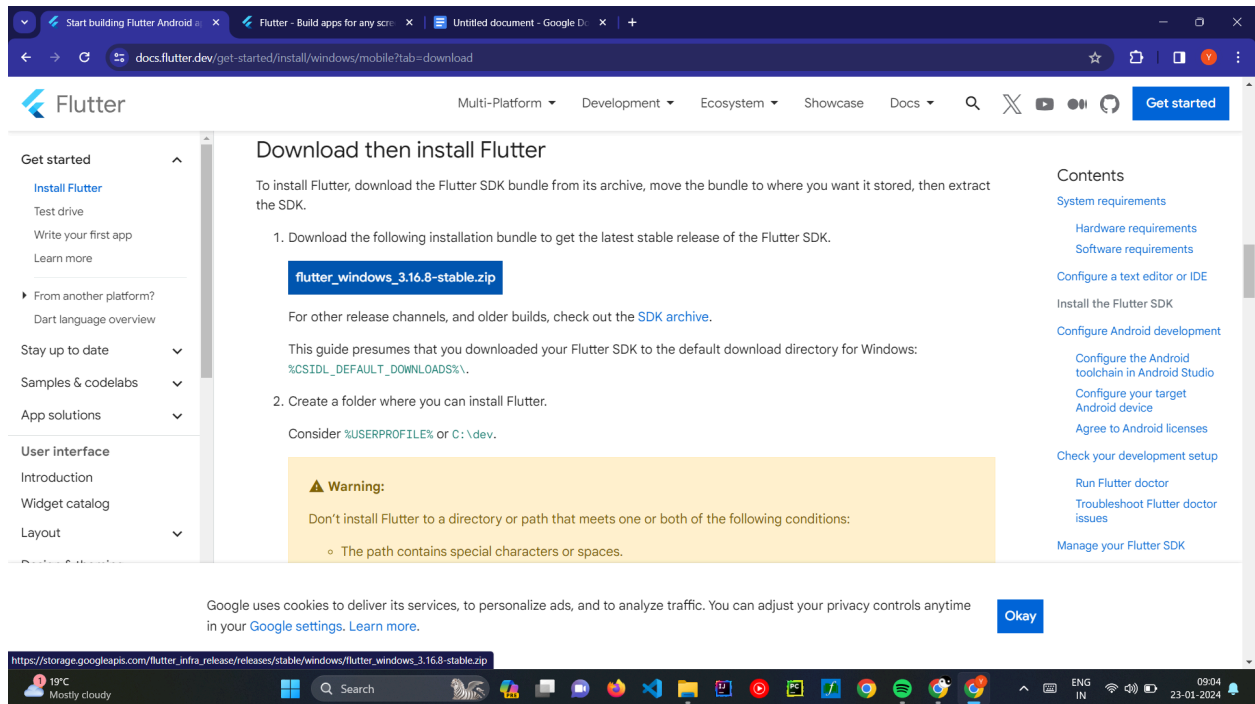
Experiment No: 1 Installation and Configuration of Flutter Environment.

Steps: Install the Flutter SDK

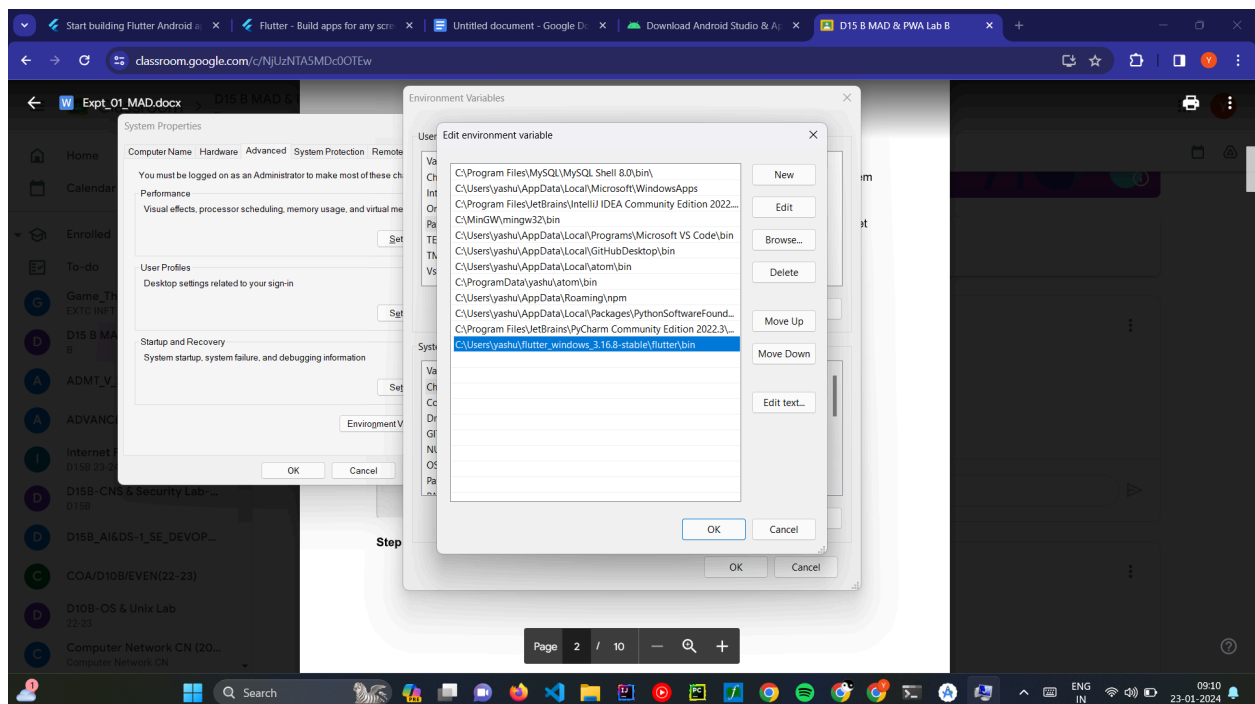
Step 1: Download the installation bundle of the Flutter Software Development Kit for windows. To download Flutter SDK, Go to its official website <https://docs.flutter.dev/get-started/install> , you will get the following screen.



Step 2: Next, to download the latest Flutter SDK, click on the Windows icon. Here, you will find the download link for SDK.



Step 3: To run the Flutter command in regular windows console, you need to update the system path to include the flutter bin directory.



Step 5: Now, run the \$ flutter command in command prompt.
Now, 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.

```
Command Prompt - flutter
Microsoft Windows [Version 10.0.22621.3807]
(c) Microsoft Corporation. All rights reserved.

C:\Users\yashu>flutter
Manage your Flutter app development.

Common commands:

  flutter create <output directory>
    Create a new Flutter project in the specified directory.

  flutter run [options]
    Run your Flutter application on an attached device or in an emulator.

Usage: flutter <command> [arguments]

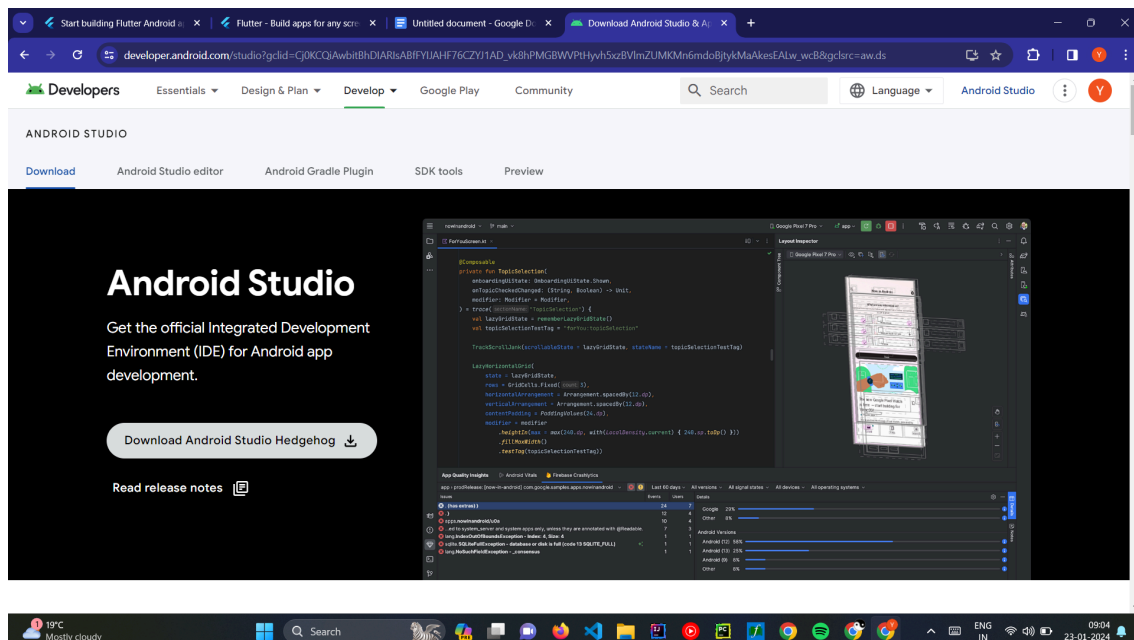
Global options:
-h, --help            Print this usage information.
-v, --verbose         Noisy logging, including all shell commands executed.
                      If used with "--help", shows hidden options. If used with "flutter doctor", shows additional
                      diagnostic information. (Use "-vv" to force verbose logging in those cases.)
-d, --device-id       Target device id or name (prefixes allowed).
--version             Reports the version of this tool.
--enable-analytics    Enable telemetry reporting each time a flutter or dart command runs.
--disable-analytics  Disable telemetry reporting each time a flutter or dart command runs, until it is
                      re-enabled.
--suppress-analytics Suppress analytics reporting for the current CLI invocation.

Available commands:

Flutter SDK
bash-completion  Output command line shell completion setup scripts.
channel          List or switch Flutter channels.
config          Configure Flutter settings.
doctor          Show information about the installed tooling.
downgrade       Downgrade Flutter to the last active version for the current channel.
precache        Populate the Flutter tool's cache of binary artifacts.
upgrade         Upgrade your copy of Flutter.

Project
```

Step 6: Install the Android SDK. If the flutter doctor command does not find the Android SDK tool in your system, then you need first to install the Android Studio IDE. To install Android Studio IDE, do the following steps.

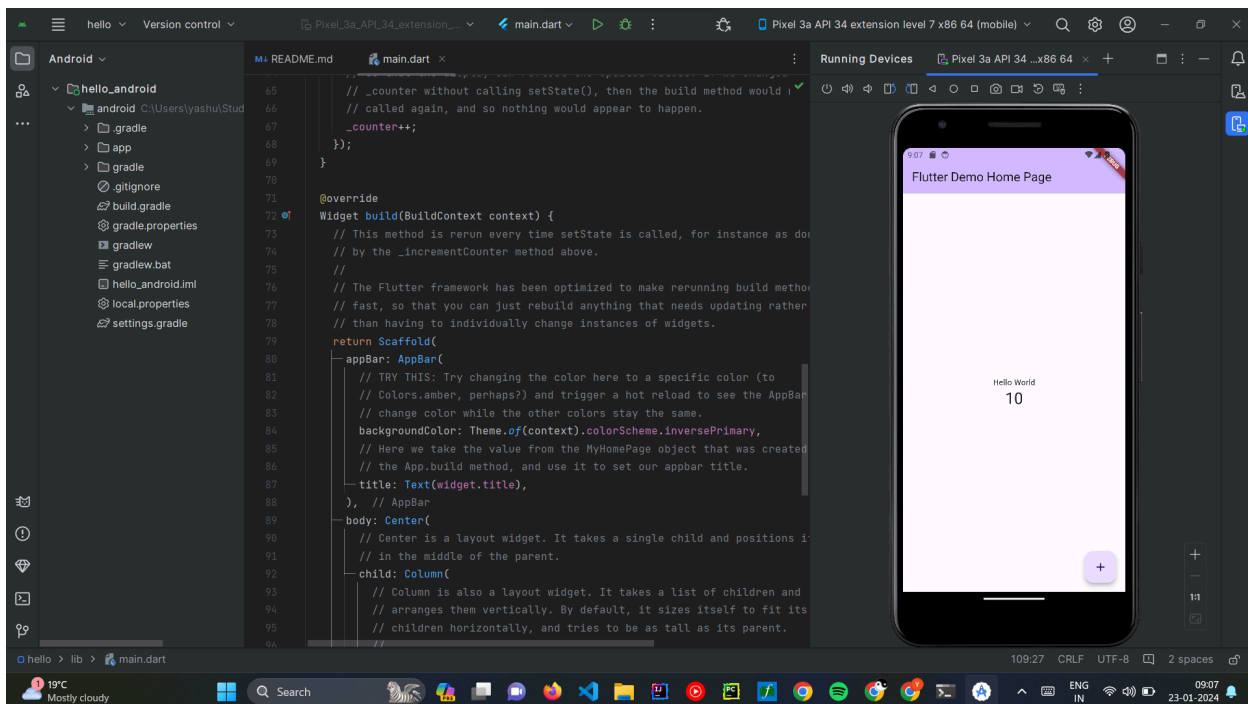


Step 7 : run the \$ flutter doctor command to check the installation.

```
C:\Users\yashu>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.16.8, on Microsoft Windows [Version 10.0.22621.3007], locale en-IN)
[✓] Windows Version (Installed version of Windows is version 10 or higher)
[✓] Android toolchain - develop for Android devices (Android SDK version 34.0.0)
[✓] Chrome - develop for the web
[✓] Visual Studio - develop Windows apps (Visual Studio Build Tools 2019 16.11.29)
[✓] Android Studio (version 2023.1)
[✓] IntelliJ IDEA Community Edition (version 2022.2)
[✓] VS Code (version 1.85.2)
[✓] Connected device (4 available)
[✓] Network resources

• No issues found!
```

Step 8 : Next, you need to set up an Android emulator. It is responsible for running and testing the Flutter application.



Conclusion

Henceforth, we learnt to install flutter along with Android studios in the machine. I faced no such difficulty installing, and got everything right.