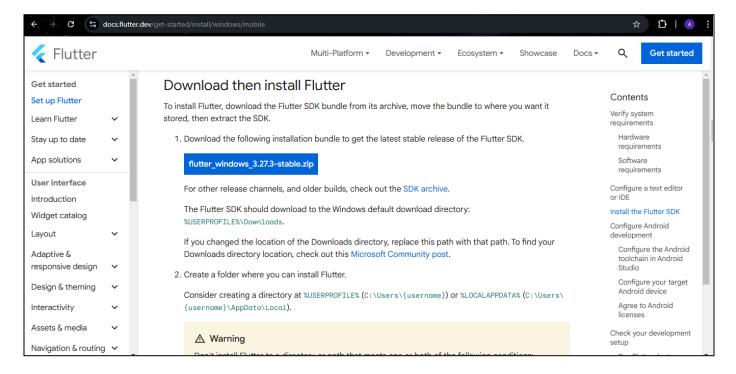
MPL EXPERIMENT NO.1

NAME-ARYAN ANIL PATANKAR CLASS-D15A ROLL NO-33

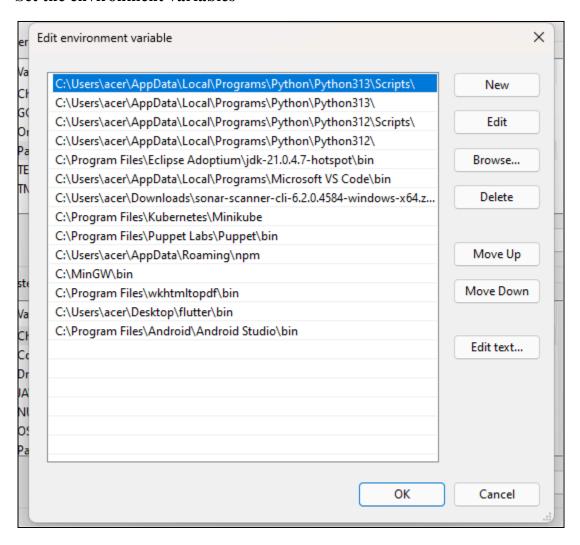
AIM: Installation and Configuration of Flutter Environment.

STEPS:

Install Flutter



Set the environment variables



Run flutter command on cmd

```
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:
                                         Print this usage information.
 -h, --help
-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.)

Target device id or name (prefixes allowed).
 -d, --device-id
                                         Reports the version of this tool.
      --version
      --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
                             Output command line shell completion setup scripts. List or switch Flutter channels.
   bash-completion
   channel
   config
                             Configure Flutter settings.
                             Show information about the installed tooling.

Downgrade Flutter to the last active version for the current channel.

Populate the Flutter tool's cache of binary artifacts.
   doctor
   downgrade
   upgrade
                             Upgrade your copy of Flutter.
Project
                             Analyze the project's Dart code.
Assemble and build Flutter resources.
   analyze
   assemble
                             Build an executable app or install bundle.
Delete the build/ and .dart_tool/ directories.
   build
   clean
                             Create a new Flutter project.
Run integration tests for the project on an attached device or emulator.
Generate localizations for the current project.
Commands for managing Flutter packages.
   create
   drive
   gen-l10n
                             Run your Flutter app on an attached device.
Run Flutter unit tests for the current project
   run
```

Run flutter doctor

```
C:\Users\HOME\spandan>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

[/] Windows Version (Installed version of Windows is version 10 or higher)

[X] Android toolchain - develop for Android devices

X Unable to locate Android SDK.

Install Android Studio from: https://developer.android.com/studio/index.html

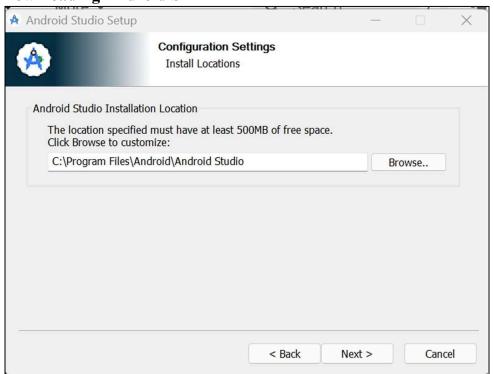
On first launch it will assist you in installing the Android SDK components.

(or visit https://flutter.dev/to/windows-android-setup for detailed instructions).

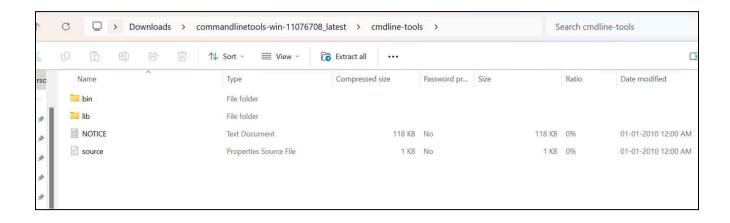
If the Android SDK has been installed to a custom location, please use

`flutter config --android-sdk` to update to that location.
```

Downloading Android SDK



Downloaded command line tools of Android SDK



There are two issues according to flutter doctor

```
C:\Users\HOME>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)

! Some Android licenses not accepted. To resolve this, run: flutter doctor --android-licenses

[/] Chrome - develop for the web

[X] 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)

[/] VS Code (version 1.96.2)

[/] Connected device (3 available)

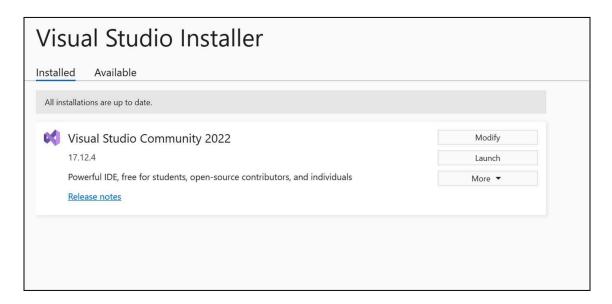
[/] Network resources

! Doctor found issues in 2 categories.
```

Accept the android licenses

```
C:\Users\HOME>flutter doctor --android-licenses
Warning: This version only understands SDK XML versions up to 3 but an SDK XML file of version 4 was e
you use versions of Android Studio and the command-line tools that were released at different times.
                                                                                  Warning: Errors during
Warning: Additionally, the fallback loader failed to parse the XML.ry...
Warning: Errors during XML parse: ] 66% Fetch remote repository...
                                      ] 66% Fetch remote repository...
Warning: Additionally, the fallback loader failed to parse the XML.
                      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 Agreeme
d specifically including the Android system files, packaged APIs, and Google APIs add-ons) is licensed
```

Install Visual Studio



Run flutter doctor command

```
C:\Users\acer>flutter doctor

Doctor summary (to see all details, run flutter doctor -v):

[[] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.22631.4602], 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 Build Tools 2022 17.12.3)

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
```

Hello world code

```
... □ ···
                        main.dart X

✓ OPEN EDITORS

                        lib > 🦠 main.dart > ધ MyHomePage > 😚 build
  🗙 🦠 main.dart lib
                              class MyHomePage extends StatelessWidget {
∨ HELLOWORLD
                                 Widget build(BuildContext context) {
 > gradle
                                    return Scaffold(
 .gitignore
                                      appBar: AppBar(
 w build.gradle
                                        backgroundColor: Theme.of(context).colorScheme.inversePrimary,
 ≡ gradle.properties
                                        title: Text(title),
 ≡ gradlew
                                      ), // AppBar
  gradlew.bat
                                      body: const Center(
 helloworld_android.iml
                                        child: Text(
 ■ local.properties
                                           'Hello Aryan',
 style: TextStyle(
                                           fontSize: 24,
                                             fontWeight: FontWeight.bold,
                          40
 main.dart
                                          ), // TextStyle
 > linux
                                      ), // Text
), // Center
> OUTLINE
                                    ); // Scaffold
> TIMELINE
> DEPENDENCIES
> JAVA PROJECTS
```

Final Output

