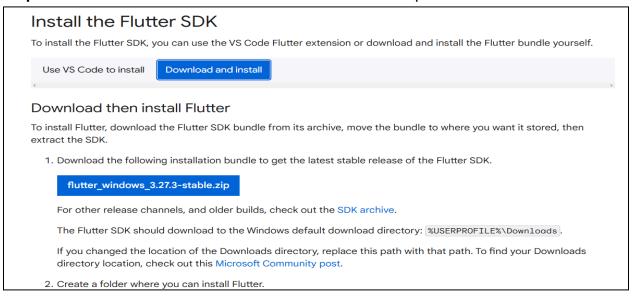
## MPL Exp-1

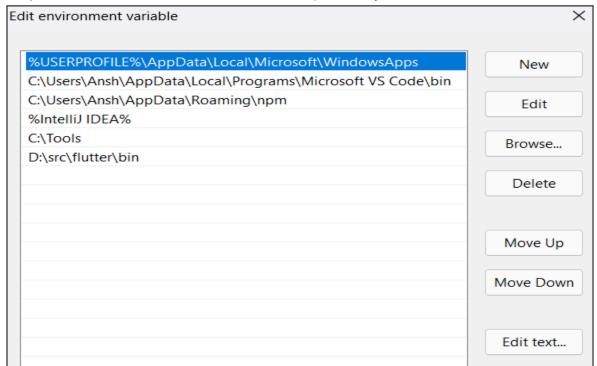
ANSH SARFARE D15A/49

Aim: Installation and Configuration of Flutter Environment.

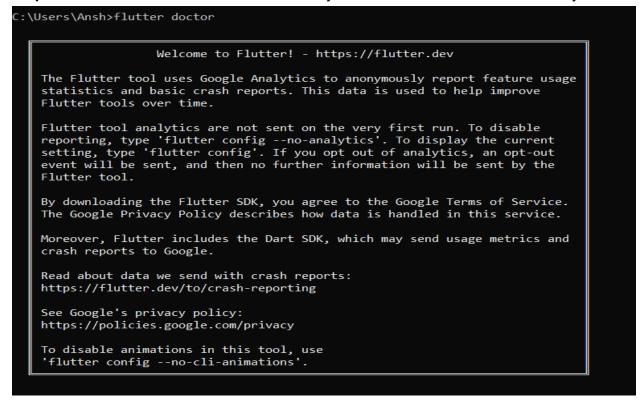
## Step-1: Go to Flutter's official website and download the zip file to install flutter SDK



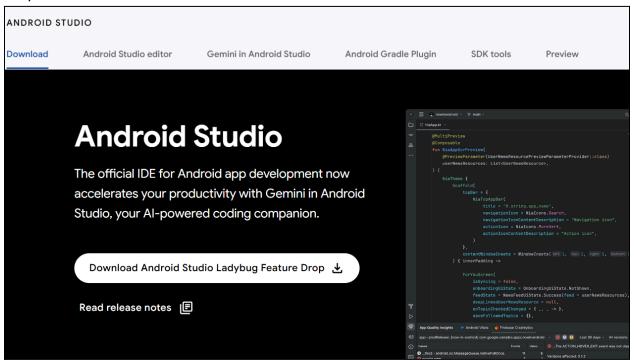
**Step-2:** Place the file in D drive and add its path in system environment variables

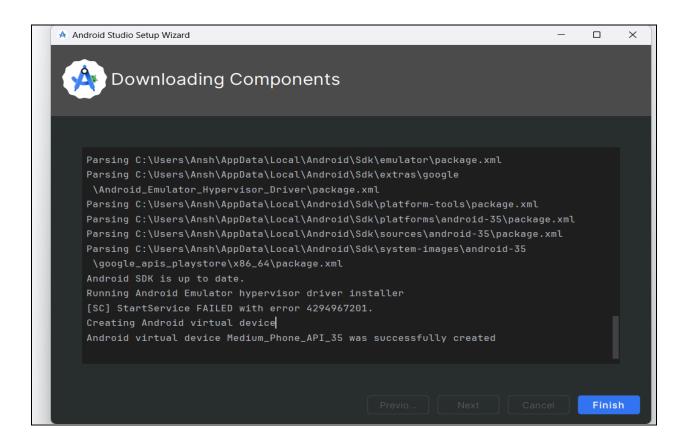


**Step-3:** Run 'flutter doctor' command to verify that flutter is installed successfully.



**Step-4:** Go to official website of Android studio and download the Ladybug Feature Drop for Windows





**Step-5:** After installation of Android studio run the command flutter doctor --android-licenses to accept required SDK licenses for Flutter to work with Android.

10.7 Special Terms for Pre-Release Materials. If so indicated in the description of the Evaluation Softw and agrees that: (i) Pre-Release Materials may not be fully tested and may contain bugs or errors; (ii) ovals for Pre-Release Materials (such as UL or FCC) have not been obtained, and Pre-Release Materials man applications and (iv) MIPS can provide no assurance that it will ever produce or make generally availa release or offer for sale or license a final product based upon the Pre-Release Materials and may unilat any obligation or liability whatsoever to Recipient or any other person.

ANY PRE-RELEASE MATERIALS ARE NON-QUALIFIED AND, AS SUCH, ARE PROVIDED MAS ISM AND MAS AVAILABLEM, POSSI 10.8 Open Source Software. In the event Open Source software is included with Evaluation Software, such ed in the Open Source software comments in the applicable source code file(s) and/or file header as indi on-line documentation. With respect to the Open Source software, nothing in this Agreement limits any rement.

Accept? (y/N): y
All SDK package licenses accepted

**Step-7:** Run flutter doctor again to ensure everything is installed properly.

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

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

[v] Flutter (Channel stable, 3.27.3, on Microsoft Windows [Version 10.0.22621.2715], locale en-IN)

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

[v] Android toolchain - develop for Android devices (Android SDK version 35.0.1)

[v] 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

[v] Android Studio (version 2024.2)

[v] Intellij IDEA Ultimate Edition (version 2024.2)

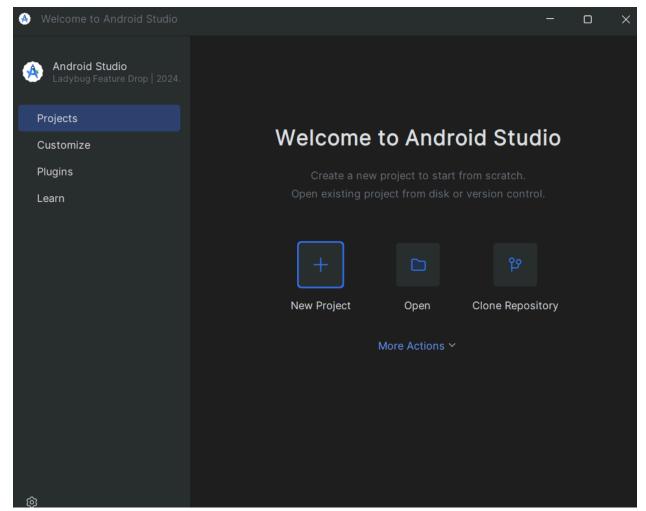
[v] VS Code (version 1.96.4)

[v] Connected device (3 available)

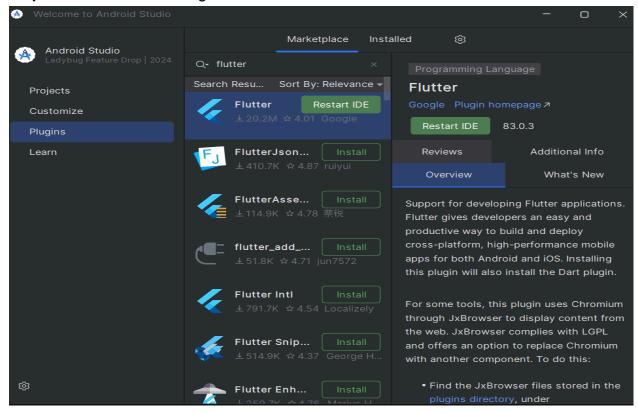
[v] Network resources

! Doctor found issues in 1 category.
```

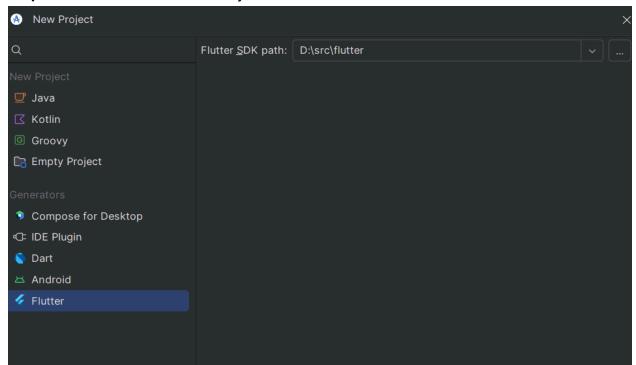
### **Android Studio:**



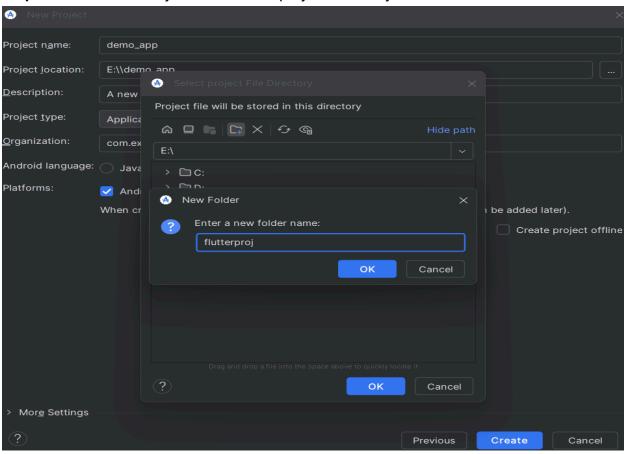
Step-8: Add the Flutter Plugin

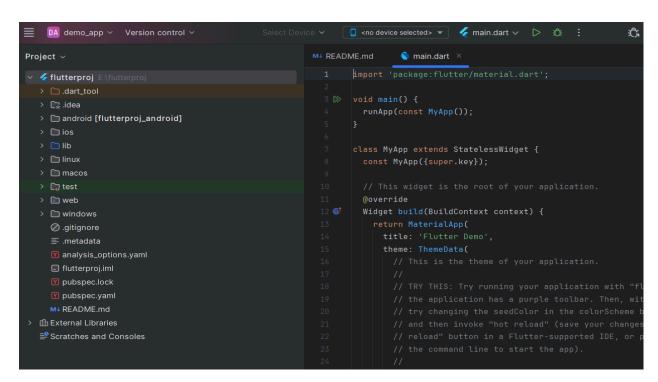


**Step-9:** Create a new Flutter Project



Step-10: Name the Project and set the project directory





Step-11: Edit the main.dart file with demo code for testing

# **Step-11:** Connect USB to your phone and enable USB Debugging in developer options , after that run 'flutter devices' command to check if device is listed

```
PS E:\flutterproj> flutter devices

Found 4 connected devices:

AC2001 (mobile) • 876c5c27 • android-arm64 • Android 12 (API 31)

Windows (desktop) • windows • windows-x64 • Microsoft Windows [Version 10.0.22621.2715]

Chrome (web) • chrome • web-javascript • Google Chrome 132.0.6834.160

Edge (web) • edge • web-javascript • Microsoft Edge 132.0.2957.127
```

## Step-12: Run 'flutter run' command to run the app on phone

```
PS E:\flutterproj> flutter run
Launching lib\main.dart on AC2001 in debug mode...
Warning: SDK processing. This version only understands SDK XML versions up to 3 but an SDK XML file of version 4 dio and the command-line tools that were released at different times.
Checking the license for package Android SDK Build-Tools 33.0.1 in D:\Android\Sdk\licenses
```

```
"Install Android SDK Build-Tools 33.0.1 v.33.0.1" finished.
warning: [options] source value 8 is obsolete and will be removed in a future release
warning: [options] target value 8 is obsolete and will be removed in a future release
warning: [options] To suppress warnings about obsolete options, use -Xlint:-options.
3 warnings
Running Gradle task 'assembleDebug'... 139.5s
v Built build\app\outputs\flutter-apk\app-debug.apk
Installing build\app\outputs\flutter-apk\app-debug.apk.. 3.9s
I/flutter (25485): [INFO:flutter/shell/platform/android/android_context_vk_impeller.cc(64)] Kno
Syncing files to device AC2001... 227ms

Flutter run key commands.
r Hot reload.
R Hot restart.
h List all available interactive commands.
d Detach (terminate "flutter run" but leave application running).
```

### **Output:**

