

EXP 1: Installation and Configuration of Flutter Environment

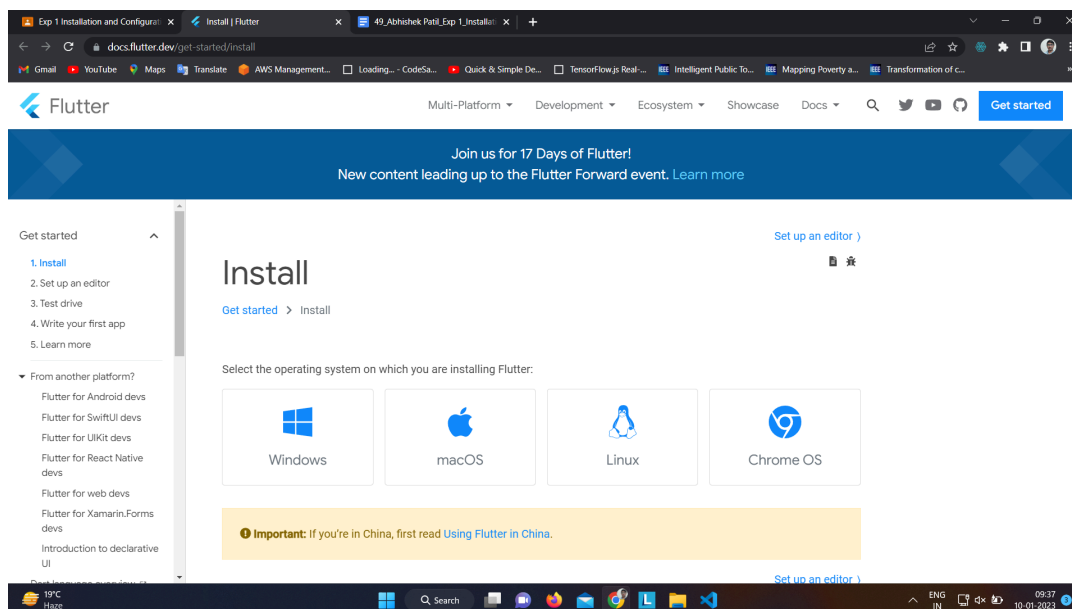
Name: Rohan Ghadge Roll no 63 Div:D15B

Aim: To install flutter configuration

Theory:

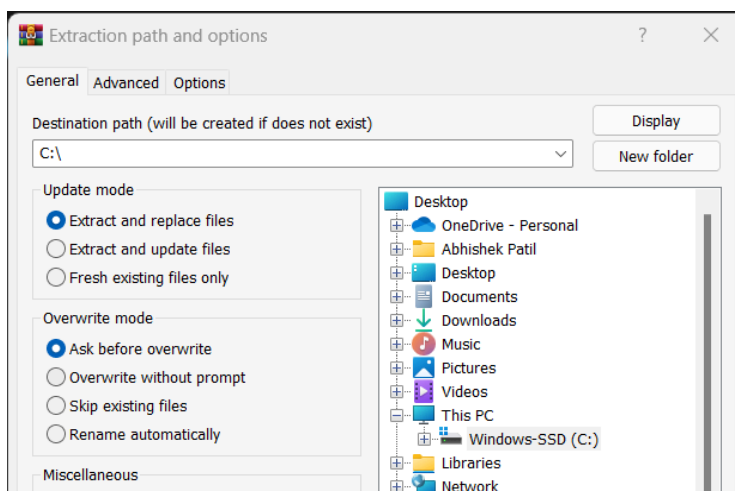
Install the Flutter SDK

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.



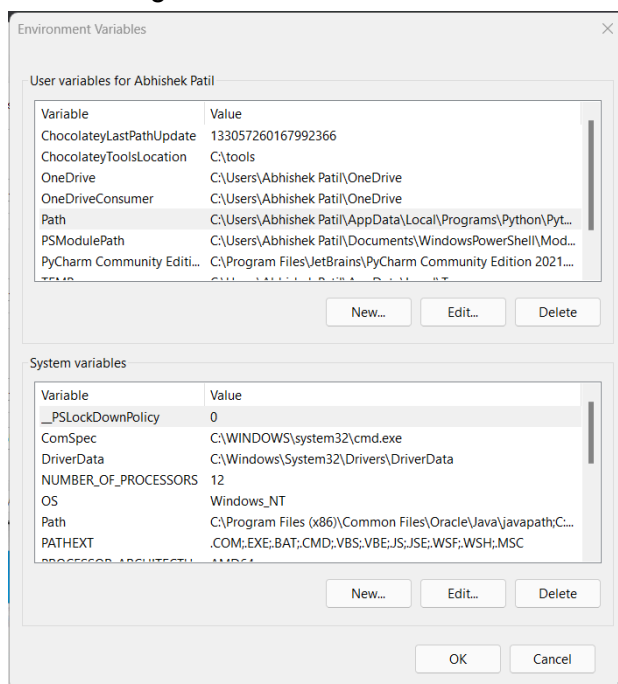
Step 2: Next, to download the latest Flutter SDK, click on the Windows icon. Here, you will find the download link for SDK.

Step 3: When your download is complete, extract the zip file and place it in the desired installation folder or location, for example, C: /Flutter.

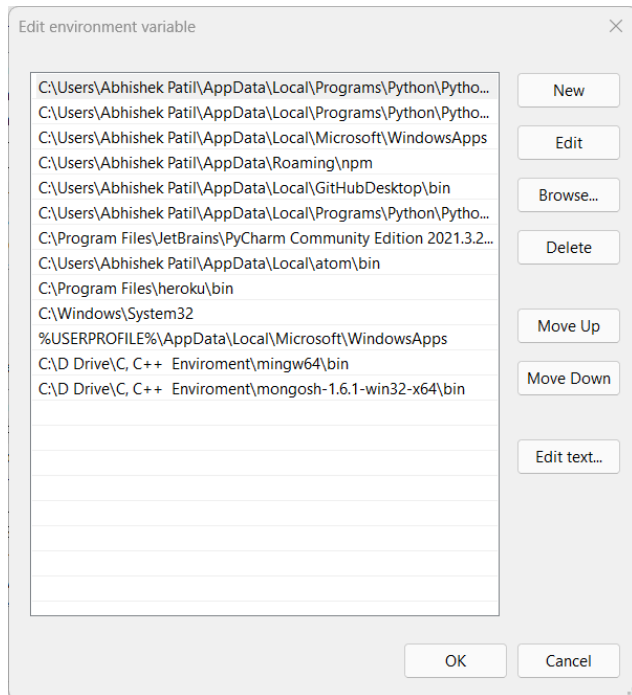


Step 4: To run the Flutter command in regular windows console, you need to update the system path to include the flutter bin directory. The following steps are required to do this:

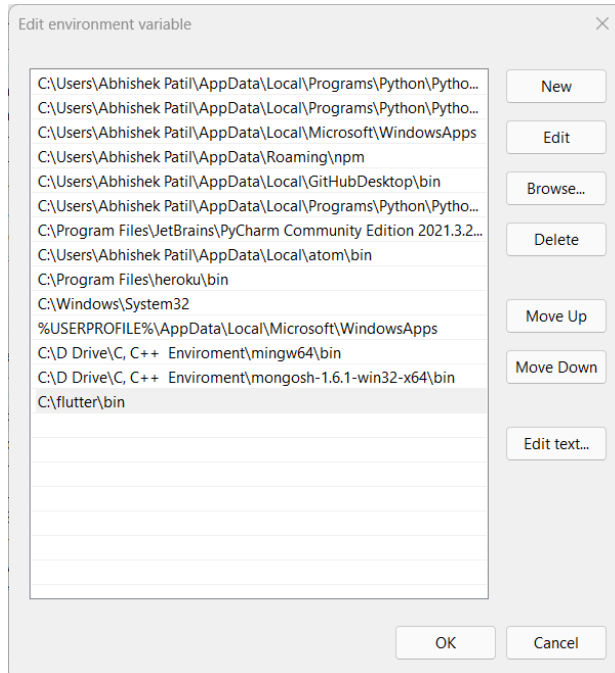
Step 4.1: Go to MyComputer properties -> advanced tab -> environment variables. You will get the following screen.



Step 4.2: Now, select path -> click on edit. The following screen appears



Step 4.3: In the above window, click on New->write path of Flutter bin folder in variable value -> ok -> ok -> ok.



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.

```
Microsoft Windows [Version 10.0.22621.819]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Abhishek Patil>flutter
fatal: unsafe repository ('C:/flutter' is owned by someone else)
To add an exception for this directory, call:

    git config --global --add safe.directory C:/flutter
Building flutter tool...
Running pub upgrade...
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.
```

Step 6: When you run the above command, it will analyze the system and show its report, as shown in the below image. Here, you will find the details of all missing tools, which required to run Flutter as well as the development tools that are available but not connected with the device.

```
C:\Users\Abhishek Patil>flutter doctor
fatal: unsafe repository ('C:/Flutter' is owned by someone else)
To add an exception for this directory, call:

    git config --global --add safe.directory C:/Flutter
Doctor summary (to see all details, run flutter doctor -v):
[!] Failed to find the latest git commit due to: WsdlmCheckError: Command exited with code 128: git -c
log.showSignature=false log HEAD -n 1 --pretty=format:%ad --date=iso
Standard out:
Standard error: fatal: unsafe repository ('C:/Flutter' is owned by someone else)
To add an exception for this directory, call:

    git config --global --add safe.directory C:/Flutter
Returning 1970-01-01 05:30:00.000 instead
[!] Flutter (Channel unknown, 0.0.0-unknown, on Microsoft Windows [Version 10.0.22621.819], locale en-IN)
! Flutter version 0.0.0-unknown on channel unknown at C:\Flutter
! Upstream repository unknown
[!] Android toolchain - develop for Android devices (Android SDK version 32.1.0-rc1)
X cmdline-tools component is missing
Run 'path/to/sdkmanager --install "cmdline-tools;latest"'
See https://developer.android.com/studio/command-line for more details.
X Android license status unknown.
Run 'flutter doctor --android-licenses' to accept the SDK licenses.
See https://flutter.dev/docs/get-started/install/windows#android-setup for more details.
[✓] Chrome - develop for the web
[X] Visual Studio - develop for Windows
X Visual Studio not installed; this is necessary for Windows development.
```

Step 7: 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 step