Complete Flutter Setup/Installation in Windows

System requirements

To install and run Flutter, your development environment must meet these minimum requirements:

- Operating Systems: Windows 10 or later (64-bit), x86-64 based.
- Disk Space: 2.5 GB (does not include disk space for IDE/tools).
- Tools: Flutter depends on the tools available in your environment.
  - Windows PowerShell 5.0 or newer (this is pre-installed with Windows 10)
  - Git for Windows 2.x, with the Use Git from the Windows Command Prompt option.
- Android Studio/Visual Studio code Setup (One IDE is needed with all setup including SDK)

Steps to download:

Step 1: https://docs.flutter.dev/get-started/install/windows click on this link to download the flutter

Step 2: After completion of the download you need to extract the downloaded file
(the downloaded file is in zip format you need to extract)

Step 3: In the start search bar enter environment and select **"Edit the environment variables"**

Step 4: The system variable dialog box will pop up, in that you are in the Advanced section.
Click environment variables.

Step 5: In the environment variables you will have two options, User variables and System Variables. Find the **path** in User variables.

Step 6: Double-click on the path.

Step 7: Click on **New** (You need to add the path of the flutter)

Step 8: To get the path, go where you extracted the zip file (flutter zip) go in until you find Bin and copy that path and paste it on the **New** path(User Variables).

Step 9: Open the command prompt(CMD) type **flutter** and click enter.
If you are successfully done with your environment variable setup you will see the
Information about the Flutter, **Or** it will show "flutter" is not recognized as an internal or external command, operable program or batch file"

Step 10: In the cmd type **flutter doctor** and click enter
You will see Doctor Summary, in that you have some errors you need to fix.
If you want to use command line tools you need to fix this issue
About the Android Studio
[-] Android toolchain - develop for Android devices
 • Android SDK at D:\Android\sdk
 ✗ Android SDK is missing command line tools; download from https://goo.gl/XxQghQ
 • Try re-installing or updating your Android SDK,
visit https://docs.flutter.dev/setup/#android-setup for detailed instructions.

Step 11: we need to fix the red color highlighted issue. For that open Android studio in that
Before creating a project you will find the three dots on the right side of the screen click
On that you see there is an option **SDK manager** click on that.

Step 12: After clicking on SDK manager go to the SDK tools.
Step 13: Find the Android SDK Command line tools click on it and download
The estimated size is 200 MB (Depending upon the version).
Step 14: Before creating a new project, create a new folder where you can store the
all flutter projects.
Step 15: After all these steps, You have two options for creating a new project

~ Go to CMD and create a project using the following command
create flutter project_name (Do not include upper case letters in the project name)
And you can open it in Android Studio. (using open project)

~ Create a project using IDE Android Studio.
Click on the new Flutter project and add there is a need to include the path, add the
Flutter the SDK path and select Flutter on the left-hand side and next.

About Visual Studio code
Keep in mind you must done with all the installation processes and with the SDK setup
Step 16: You need to download the following extensions:
1. Dart
2. Flutter
You can also open the project that is created by the command line using the open
project in Visual Studio code.

Step 17: Done with the installation process, Explore the Flutter Journey, Happy Coding
Thank You.!