Installing Flutter + Dart

(and adding to PATH)
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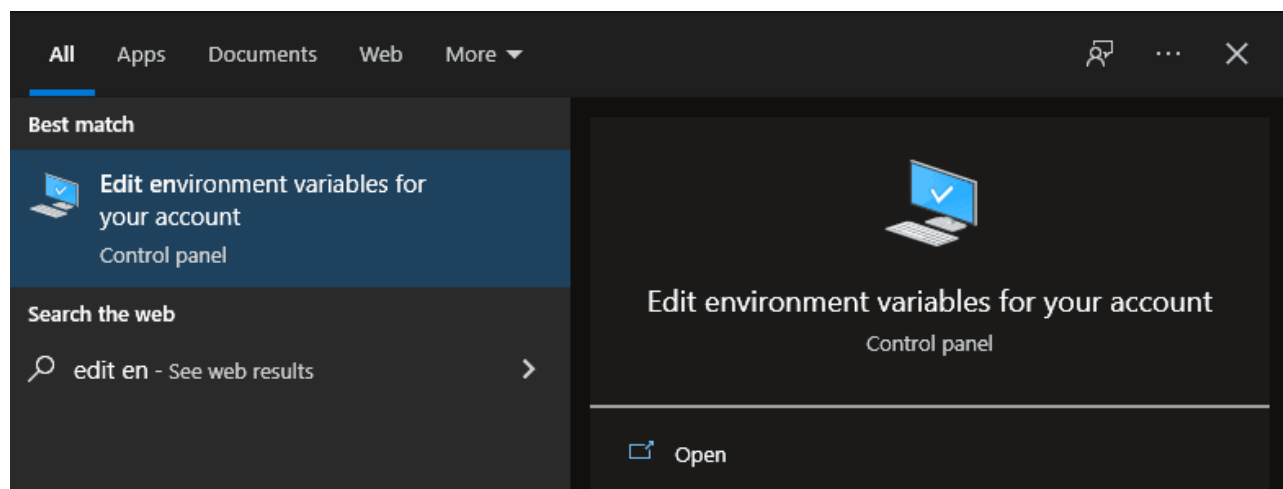
- [Download](#) the Flutter SDK

flutter_windows_3.13.9-stable.zip

- Extract files to a folder without elevated privileges. For example,
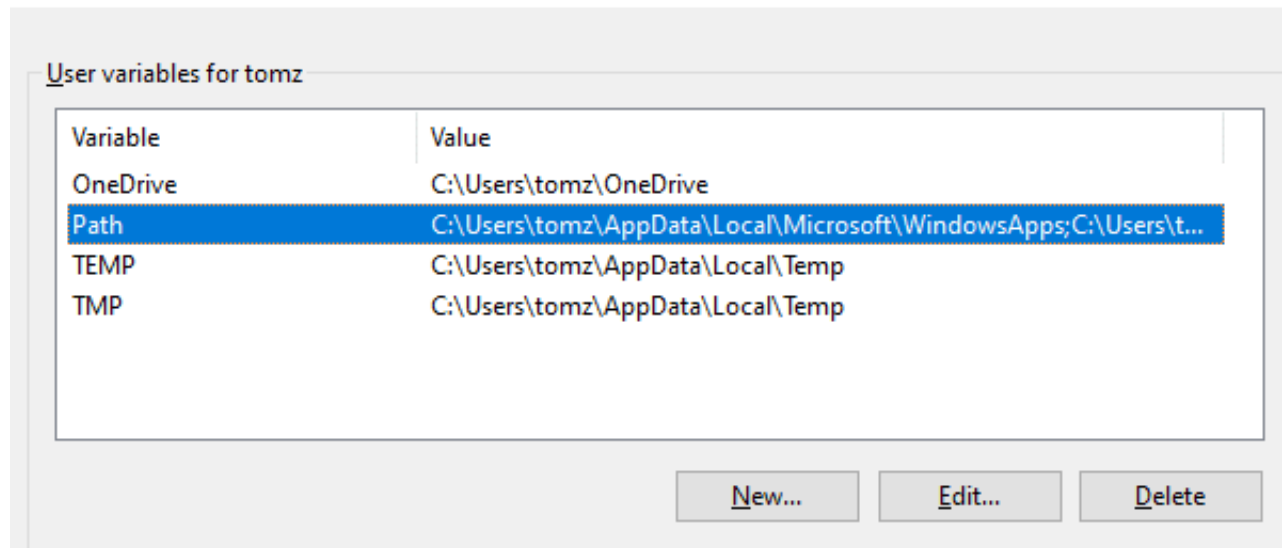
```
C:/development/flutter
```
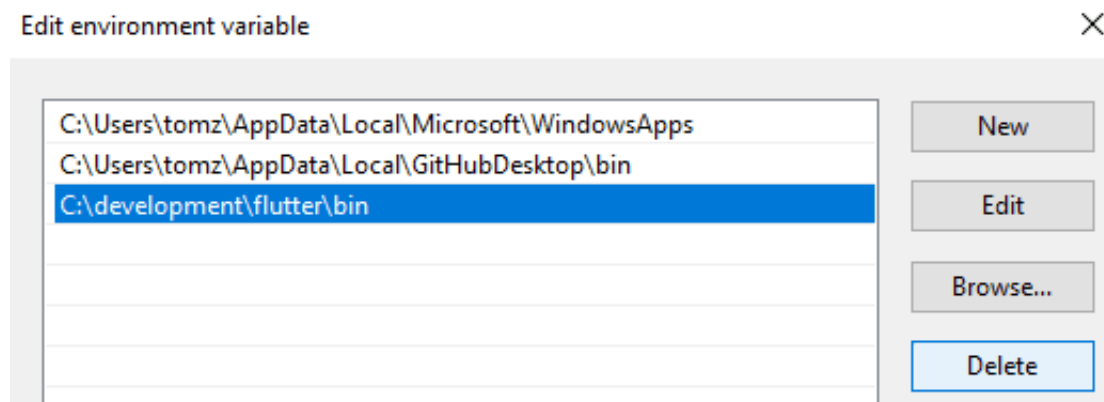
- Update Path Variable for Windows PowerShell

Next, you need to update your Path environment variable to run Flutter commands in Windows consoles PowerShell and Command Prompt (CMD). First, click the Start button and type to search for and then click on **Edit environment variables for your account.**

Under User variables, click on and highlight **Path**. Click **Edit**.

On the next screen, click **New** and add the full path to your `flutter\bin directory`. For this guide, it is shown below. Click OK on both windows to enable running Flutter commands in Windows consoles.

- Confirm Installed Tools for Running Flutter

In CMD, run the `flutter doctor` command to confirm the installed tools along with brief descriptions.

Install JDK

Install JDK17

Java 21 and Java 17 available now

JDK 21 is the latest long-term support release of Java SE Platform.

Learn about Java SE Subscription

JDK 21   **JDK 17**   **GraalVM for JDK 21**   **GraalVM for JDK 17**

JDK Development Kit 17.0.9 downloads
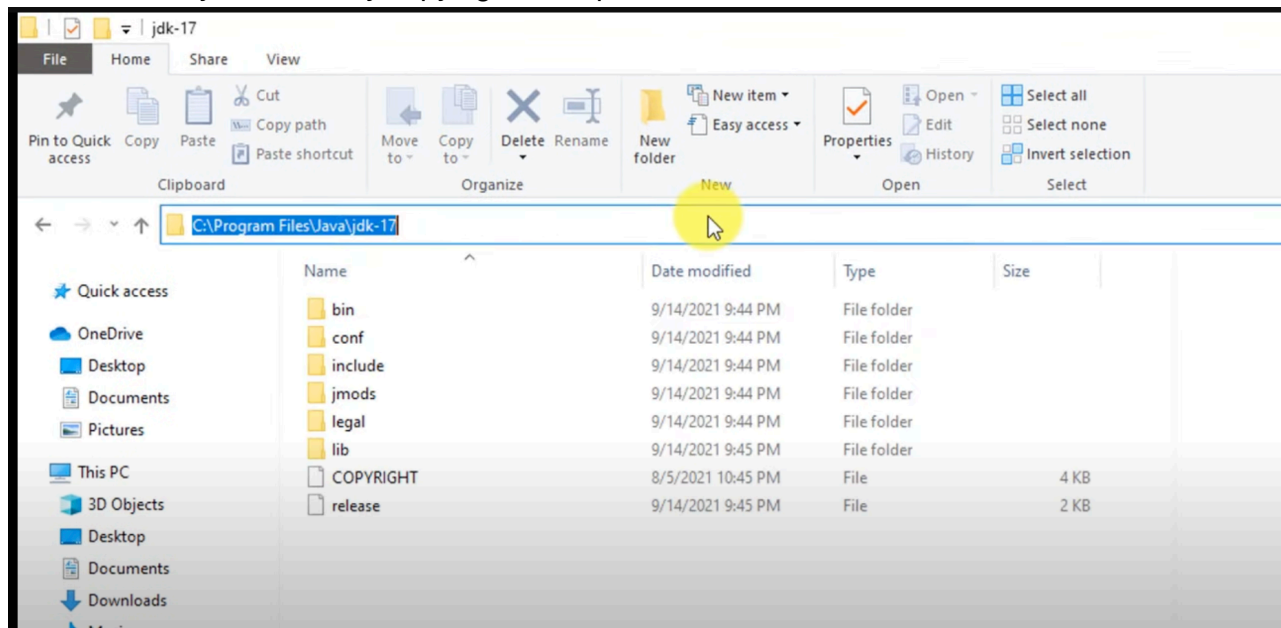
JDK 17 binaries are free to use in production and free to redistribute, at no cost, under the Oracle No-Fee Terms and Conditions (NFTC).

JDK 17 will receive updates under the NFTC, until September 2024. Subsequent JDK 17 updates will be licensed under the Java SE OTN License (OTN) and production use beyond the limited free grants of the OTN license will require a fee.

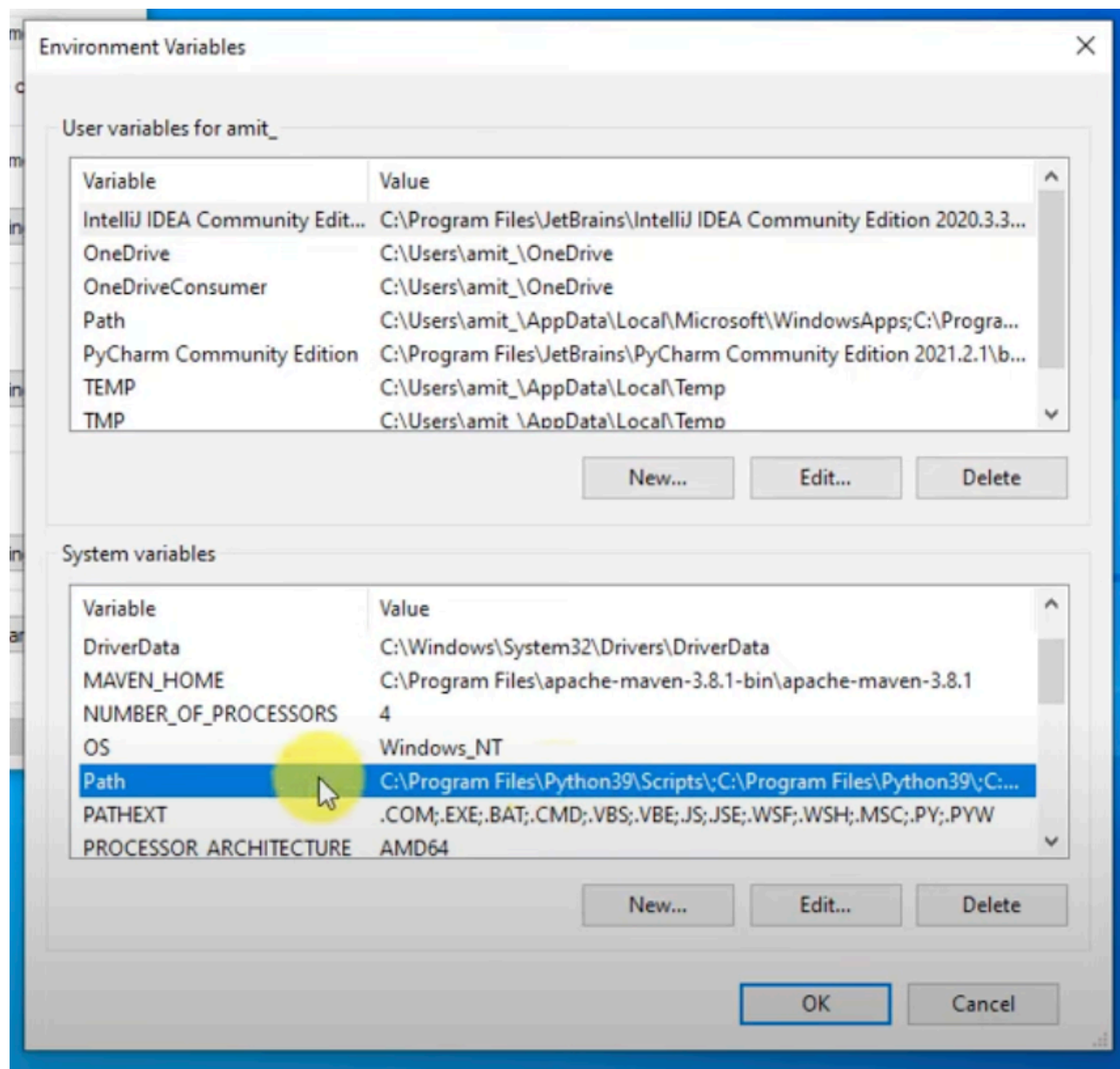**Linux**   **macOS**   **Windows**

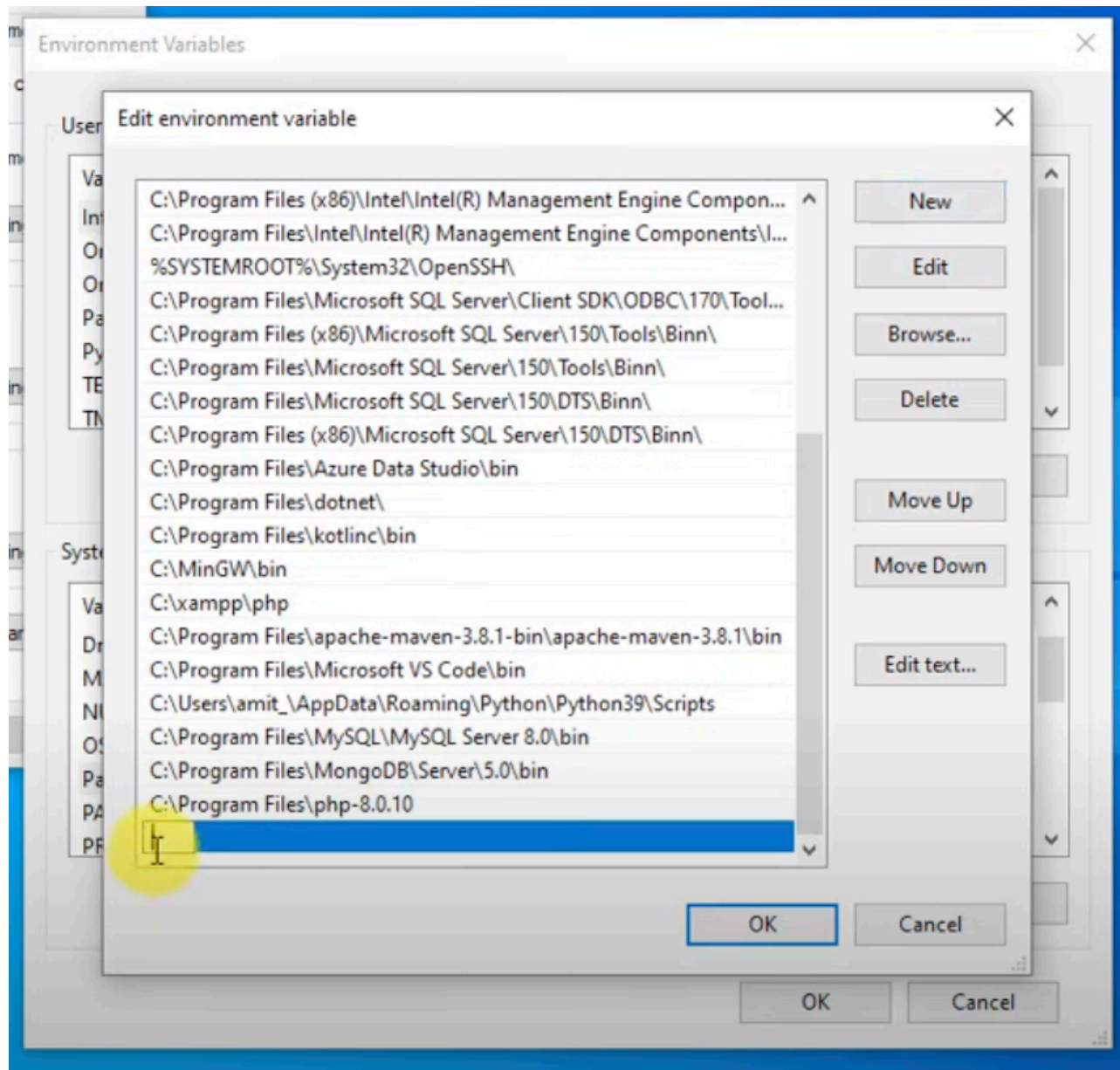| Product/file description	File size	Download
x64 Compressed Archive	172.42 MB	https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.zip (sha256)
x64 Installer	153.51 MB	https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.exe (sha256)
x64 MSI Installer	152.30 MB	https://download.oracle.com/java/17/latest/jdk-17_windows-x64_bin.msi (sha256)

Add the file to your PATH by copying the file path

Open Environment Variables and click on ` Path ` under System variable

Click `Edit` and paste in your file

Install Gradle

Download the Gradle SDK

Create a new directory `C:\Gradle` with File Explorer.

Open a second File Explorer window and go to the directory where the Gradle distribution was downloaded. Double-click the ZIP archive to expose the content. Drag the content folder `gradle-8.4` to your newly created `C:\Gradle folder`.

Add the `C:\Gradle\gradle-8.4\bin` like above.

Install CocoaPods

```
sudo gem install cocoapods
```

Install Android Studio

To install Android Studio on Windows [(.exe)](#)

Optional

Adding Flutter SDK to VSCode

- Click `Control + Shift + P` to open the Command Palette
- Type `Flutter: New Project`
- An error should appear stating that you haven't added the Flutter SDK to VSCode
- Click on `Add Flutter SDK`
- If you've followed the steps in this doc, the relative path should be in `C:/development/flutter`