

Write down the steps of flutter installation

Ans:

1 System Requirements

Make sure your system has:

- OS: Windows 10 or later (64-bit)
 - Disk Space: Minimum 2.5 GB (excluding IDE/tools)
 - Tools: Git for Windows → <https://git-scm.com/download/win>
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2 ☐ Download Flutter SDK

1. Go to <https://flutter.dev/docs/get-started/install>
2. Click **Windows**.
3. Download the **Flutter SDK ZIP file**.
4. Extract it to a location like:

```
makefile
CopyEdit
C:\src\flutter
```

3 ☐ Update Environment Variable

1. Open **Start** → search **Environment Variables**.
2. Under **System variables**, find and select Path, then click **Edit**.
3. Click **New** and add:

```
makefile
CopyEdit
C:\src\flutter\bin
```

4. Click **OK** to save.
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4 ☐ Check Flutter Installation

Open **Command Prompt** and run:

```
bash
CopyEdit
flutter doctor
```

It will check for all required dependencies (Android SDK, etc.).

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Install Android Studio (for Android development)

1. Download from: <https://developer.android.com/studio>
 2. During install:
 - Enable **Android SDK**, **Android Virtual Device**, and **Android SDK Command-line Tools**.
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6 Set Up Android SDK

After installing Android Studio:

1. Open it and go to:


```
sql  
CopyEdit  
Settings > Appearance & Behavior > System Settings > Android SDK
```
 2. Install:
 - **Android SDK Platform**
 - **Android SDK Tools**
 - **Emulator**
 - **Intel HAXM (if available)**
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7 Set Up Device or Emulator

- To test Flutter apps, either:
 - Connect a real Android device via USB and enable **USB Debugging**.
 - Or, create an emulator in Android Studio via:

```
sql  
CopyEdit  
Tools > Device Manager > Create Device
```

8 Accept Android Licenses

Run in Command Prompt:

```
bash
CopyEdit
flutter doctor --android-licenses
```

Press y to accept all.

9 ☐ Run flutter doctor Again

To confirm setup:

```
bash
CopyEdit
flutter doctor
```

Everything should now show ☒

(Optional) Install VS Code or Android Studio for Development

- VS Code: <https://code.visualstudio.com>
 - Add Flutter and Dart plugins.
- Or, use Android Studio with Flutter plugin.