

Install Git (Windows, macOS, Linux)

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What you need to do before the session

If you would like to follow along, then please install Git and verify it works on your machine.

Step 1: Open a terminal

- **Windows:** open **Git Bash** after installing Git (you can use PowerShell if you are already familiar with it).
- **macOS:** open **Terminal** (Applications → Utilities).
- **Linux:** open your usual terminal.

You can also use the built-in terminal in most IDEs (for example VS Code, PyCharm, or JupyterLab), as long as `git --version` works there.

Step 2: Install Git

Windows (recommended: Git Bash)

1. Download **Git for Windows** from: <https://git-scm.com/install/windows>
2. Run the installer and keep the default options.
3. After installation, open **Git Bash** from the Start menu.

macOS

Option A (simplest): use Apple's Command Line Tools.

1. Open Terminal.
2. Run:

```
git --version
```

3. If prompted to install command line developer tools, click **Install**.

Option B (Homebrew, if you have it installed):

```
brew install git
```

If you do not have Homebrew installed, use Option A.

Linux

Use your distribution's package manager.

Ubuntu or Debian:

```
sudo apt install git
```

Fedora:

```
sudo dnf install git
```

Arch:

```
sudo pacman -S git
```

Step 3: Verify Git is working

In a terminal, run:

```
git --version
```

You should see something like:

```
git version 2.xx.x
```

Step 4 (recommended): set your name and email

Git stores this information in commits.

```
git config --global user.name "Your Name"  
git config --global user.email "you@example.com"
```

To check what Git will use:

```
git config --global --list
```

Step 5 (recommended): set up a GitHub account

If you want to follow along fully (including pushing to a remote and opening a pull request), you will need a GitHub account.

1. Create an account at: <https://github.com/>
2. Make sure you can log in during the session.

If you already have an account, you do not need to do anything for this step.

Troubleshooting

On Windows: I cannot find Git Bash

Re-run the Git for Windows installer and ensure “Git Bash Here” is enabled and then search “Git Bash” in the Start menu.

On macOS: it says “xcode-select” or prompts to install tools

Accept the install prompt. Then run `git --version` again. If still struggling, Homebrew can be installed using the following command:

```
/bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)"
```

Then proceed with option B.

On Linux: “command not found” after install

Close and re-open the terminal, then try `git --version` again.

Any other issues

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