

Local Server Environment Setup with XAMPP – Step-by-Step Guide

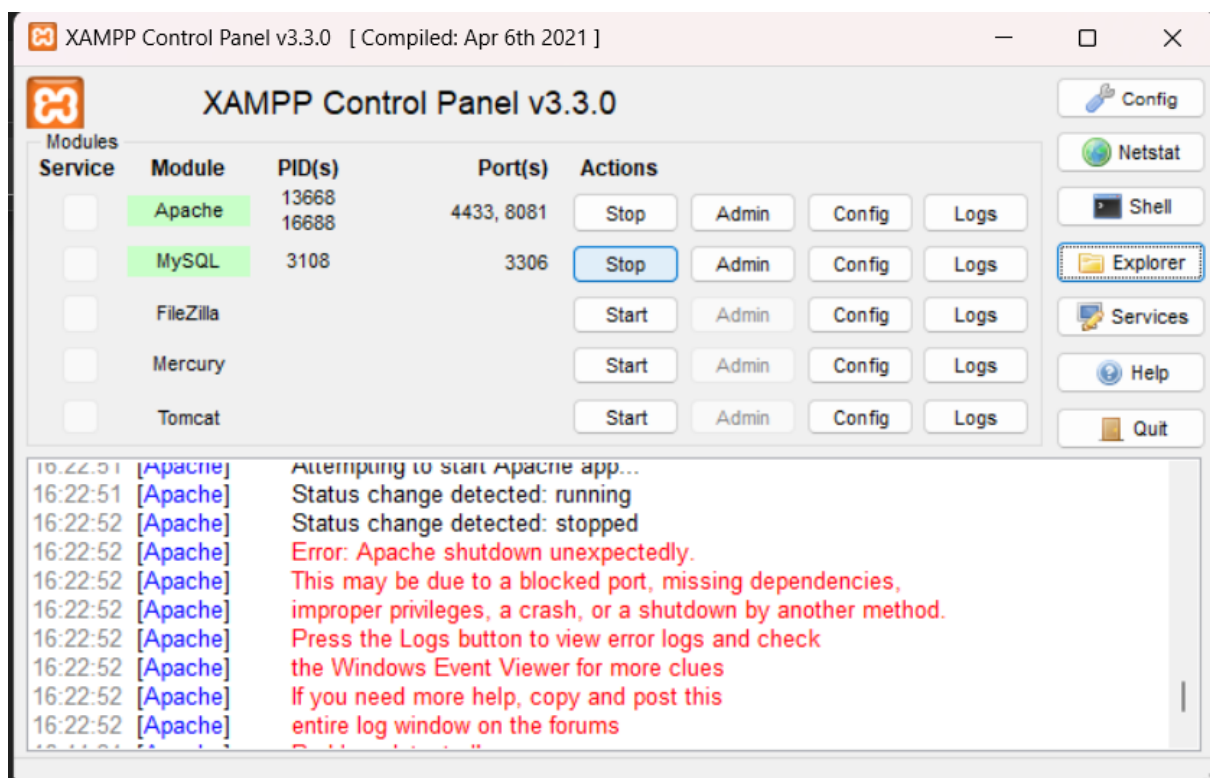
1. Download and Install XAMPP

- **Step 1:** Go to the XAMPP download page.
- **Step 2:** Download the Windows version of XAMPP. You can select the latest version 8.2.12 (PHP 8.2.12)
- **Step 3:** Open the downloaded installer and follow the installation steps:
 - Click **Next** in each screen to proceed.
 - Choose the components you want to install (Apache, MySQL, PHP, and phpMyAdmin are essential).
 - Select the installation folder (the default is C:\xampp).



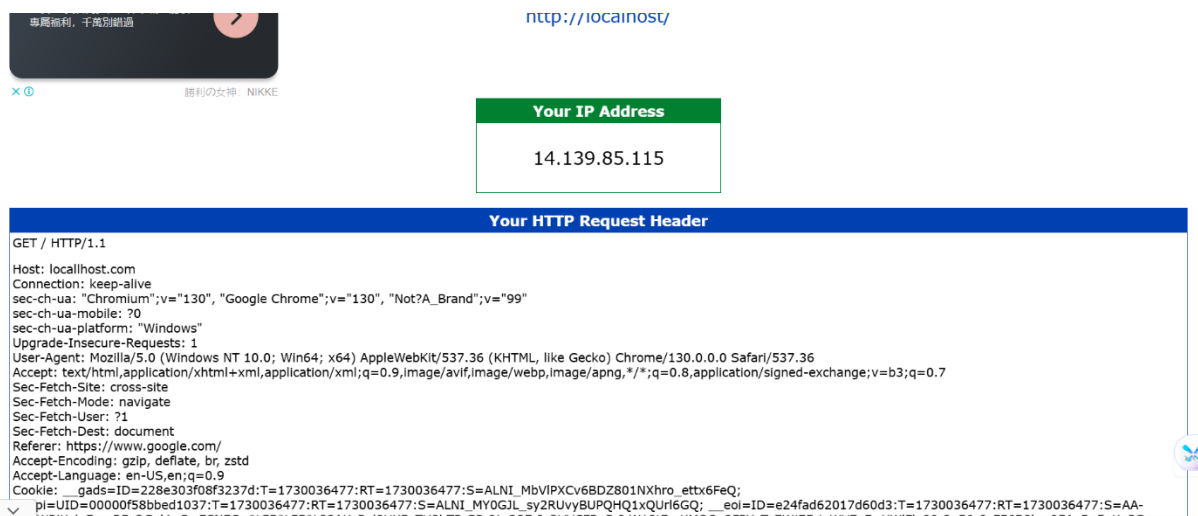
2. Start Apache and MySQL Services

- **Step 1:** After installation, open the **XAMPP Control Panel** (it should open automatically after installation, or you can find it in the installation folder).
- **Step 2:** Start the **Apache** and **MySQL** services by clicking the **Start** button next to each service.
 - The status indicator next to Apache and MySQL should turn green if they're running correctly.

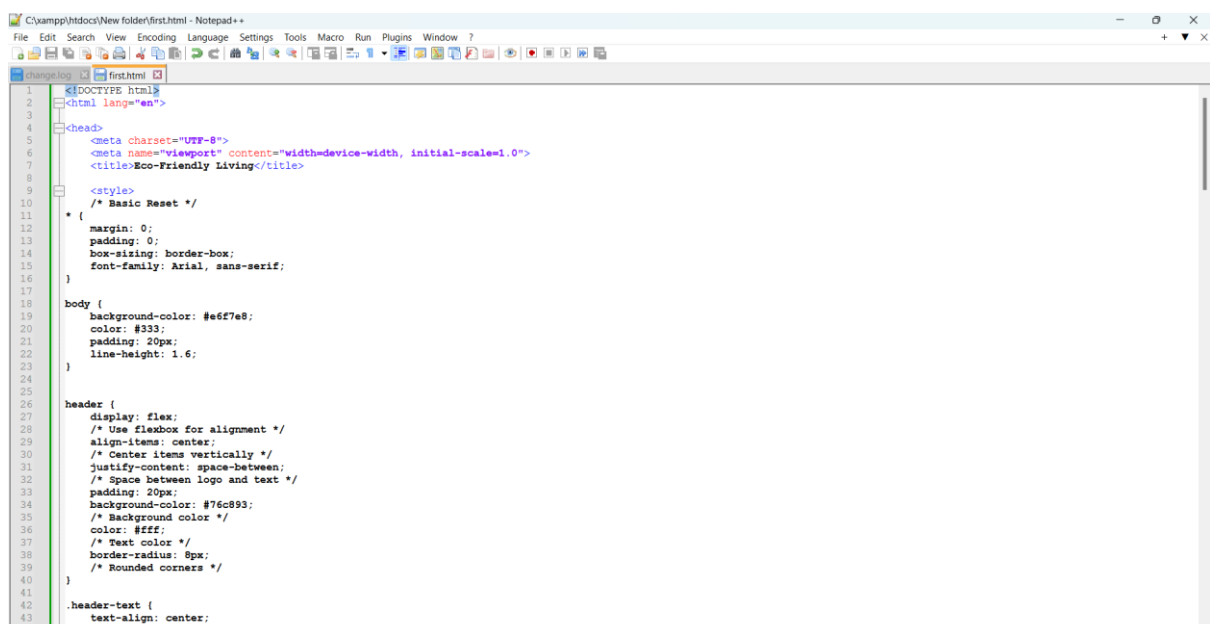


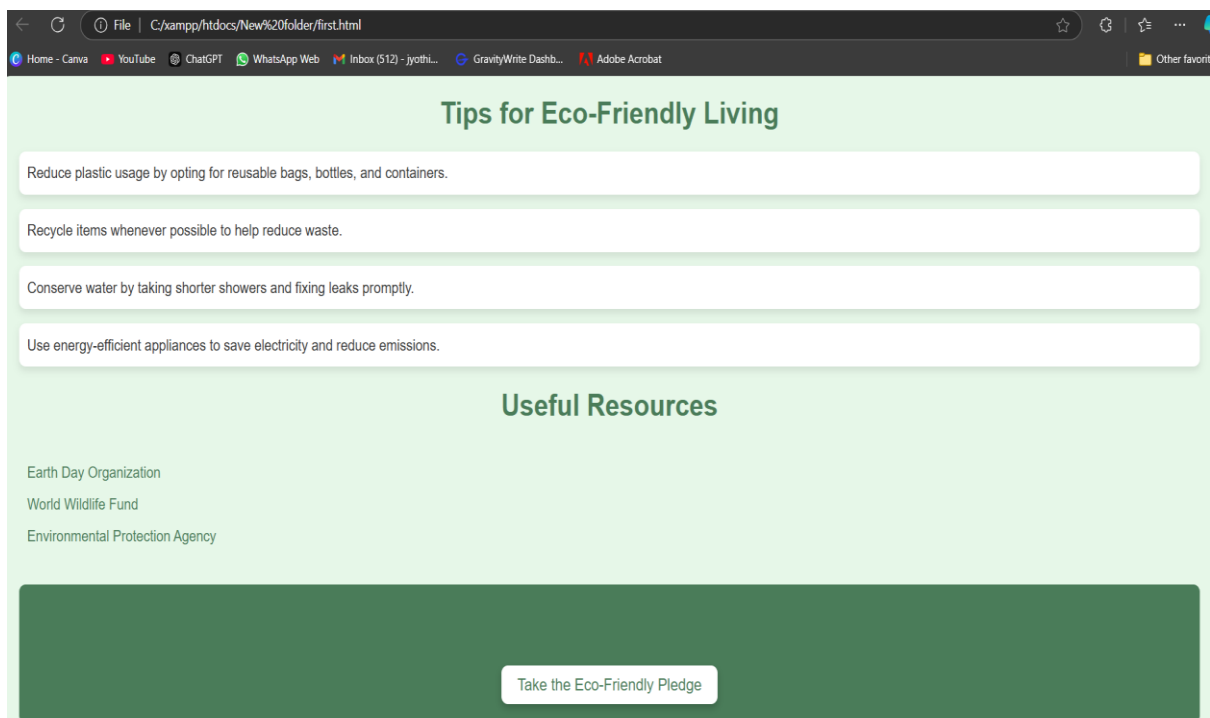
3. Verify Installation

- **Step 1:** Open a web browser and type `http://localhost` in the address bar.
 - If XAMPP is installed and running correctly, this should open the XAMPP welcome page.
 - You can also test MySQL by going to `http://localhost/phpmyadmin` to ensure the database manager is accessible.



Html Code in notepad++





1. **Tool Used:** XAMPP (Version [8081] with PHP version [PHP 8.2.12]).
2. **Challenges:**
 - Windows firewall may prompt you to allow Apache and MySQL through the firewall. Select **Allow Access** when prompted.
 - If Apache fails to start, it may be due to a port conflict (often with port 81). You can change the port in the XAMPP Control Panel under the Config button next to Apache.
3. **Additional Notes:**
 - XAMPP provides an all-in-one solution for a local server, and it's highly compatible with Windows, making it simple to run PHP and MySQL.

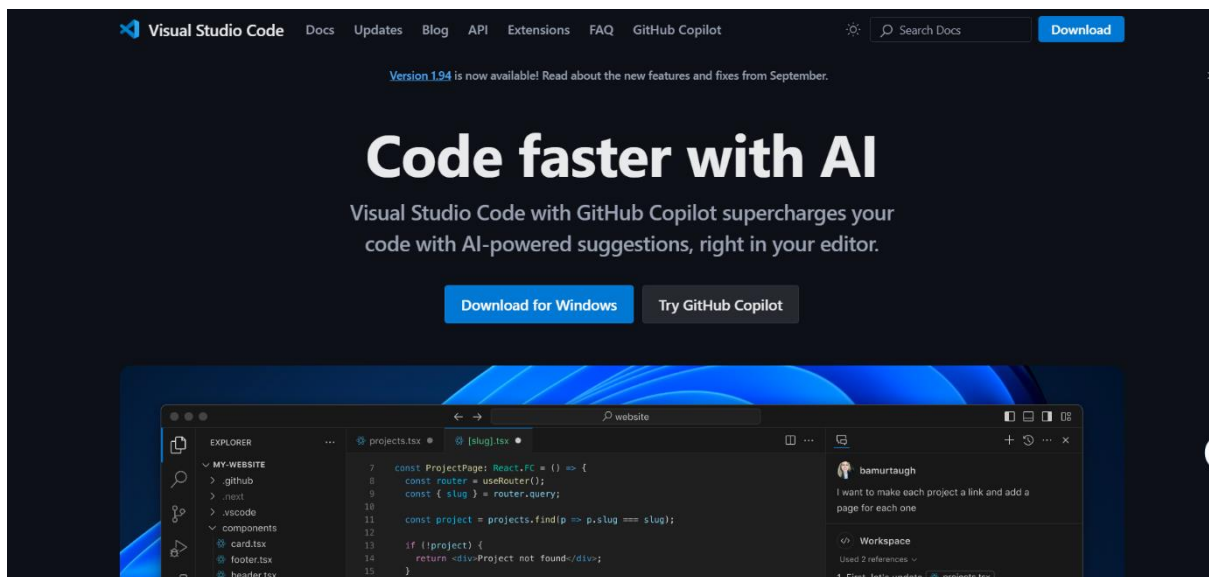
1. Download and Install Visual Studio Code

1. Download:

- Go to the [Visual Studio Code website](https://code.visualstudio.com/) and download the installer for Windows.

2. Install:

- Run the downloaded installer and follow the on-screen instructions.
- Select options like **Add to PATH** and **Create a Desktop Icon** if prompted (these options can simplify running VS Code from the command line).



2. Open VS Code and Install PHP Plugins

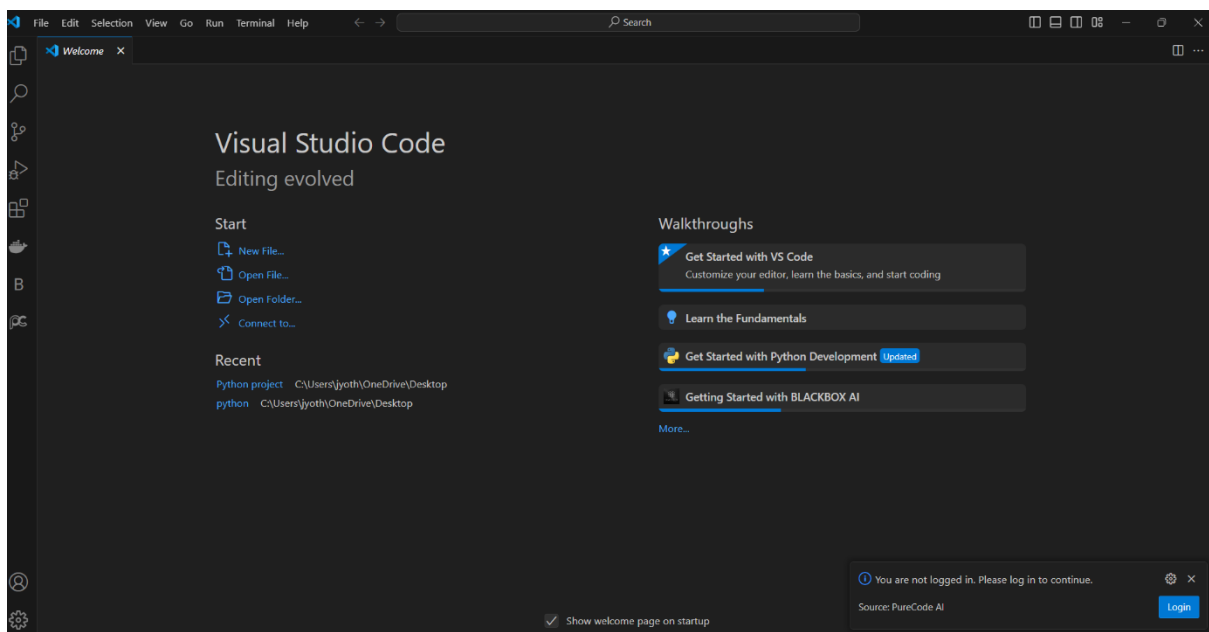
1. Open VS Code:

- After installation, launch VS Code.

2. Install PHP Extensions:

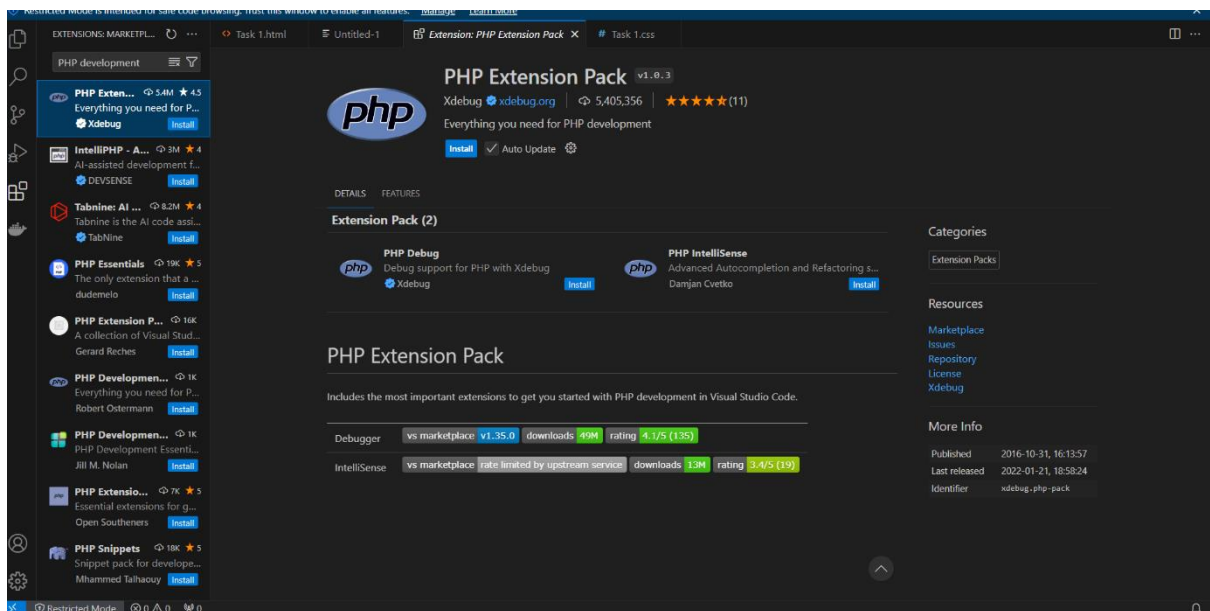
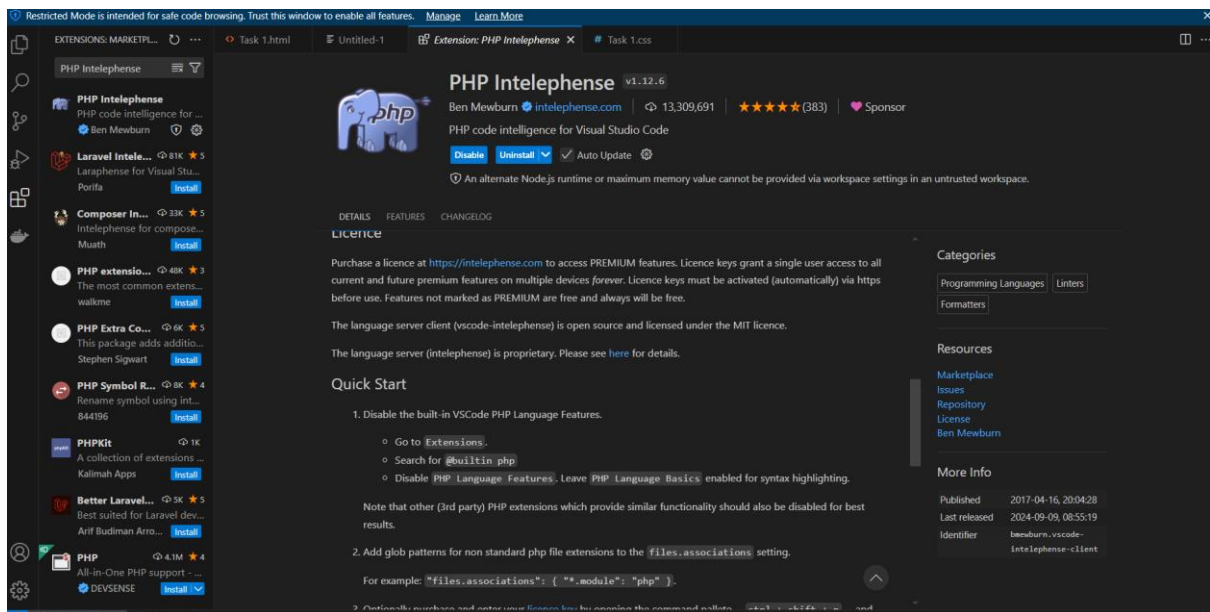
- Click on the **Extensions** icon on the left sidebar (or press Ctrl+Shift+X).
- Search for the following PHP-related extensions and install them:

- **PHP Intelephense:** Provides code intelligence (auto-completion, definitions, etc.) for PHP.
 - **PHP Debug:** Allows you to set breakpoints and debug PHP code with Xdebug.
 - **PHP DocBlocker** (optional): Helps create PHP documentation blocks.
- You can install other useful extensions as needed, like **Prettier - Code Formatter** for consistent formatting.




3. Configure PHP Settings in VS Code (Optional)

- **Optional Settings** (if needed):
 - Go to **File > Preferences > Settings**.
 - In the settings search bar, type **PHP** and configure options such as setting the path to the PHP executable (if necessary).
 - Configure any preferences related to formatting or linting according to your project needs.



Installing Git for windows 11

**git** --local-branching-on-the-cheap

Type / to search entire site...

About

Documentation

Downloads


GUI Clients


Logos


Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to [read online for free](#). Dead tree versions are available on [Amazon.com](#).


Downloads

 macOS

 Windows

 Linux/Unix

Latest source Release
2.47.0
[Release Notes \(2024-10-06\)](#)
[Download for Windows](#)



Older releases are available and the Git source repository is on [GitHub](#).

GUI Clients

Git comes with built-in GUI tools ([git-gui](#), [gitk](#)), but there are several third-party tools for users looking for a platform-specific experience.

[View GUI Clients →](#)

Logos

Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.


[View Logos →](#)

Git via Git

If you already have Git installed, you can get the latest development version via Git itself.

```
git clone https://github.com/git/git
```

You can also always browse the current contents of the git repository using the [web interface](#).

**git** --local-branching-on-the-cheap

Type / to search entire site...

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Download for Windows

[Click here to download](#) the latest (**2.47.0(2)**) **64-bit** version of **Git for Windows**. This is the most recent [maintained build](#). It was released **5 days ago**, on 2024-10-22.

Other Git for Windows downloads

Standalone Installer
[32-bit Git for Windows Setup.](#)
[64-bit Git for Windows Setup.](#)

Portable ("thumbdrive edition")
[32-bit Git for Windows Portable.](#)
[64-bit Git for Windows Portable.](#)

Using winget tool

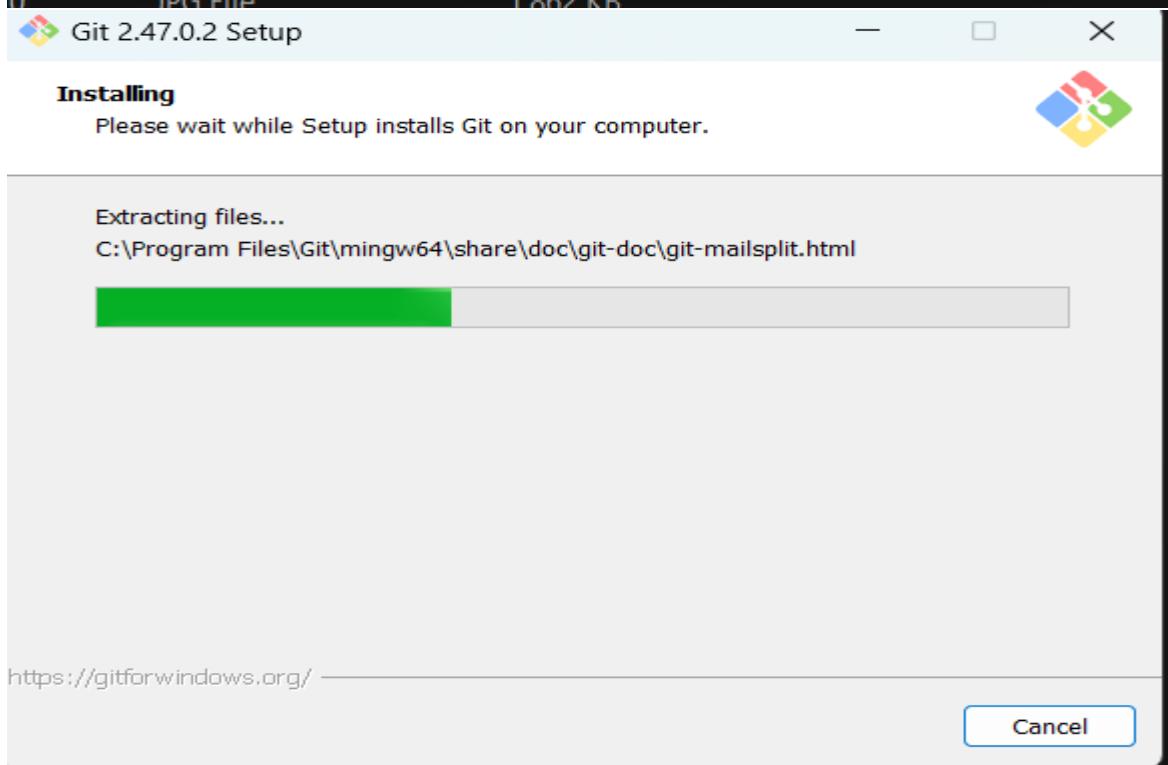
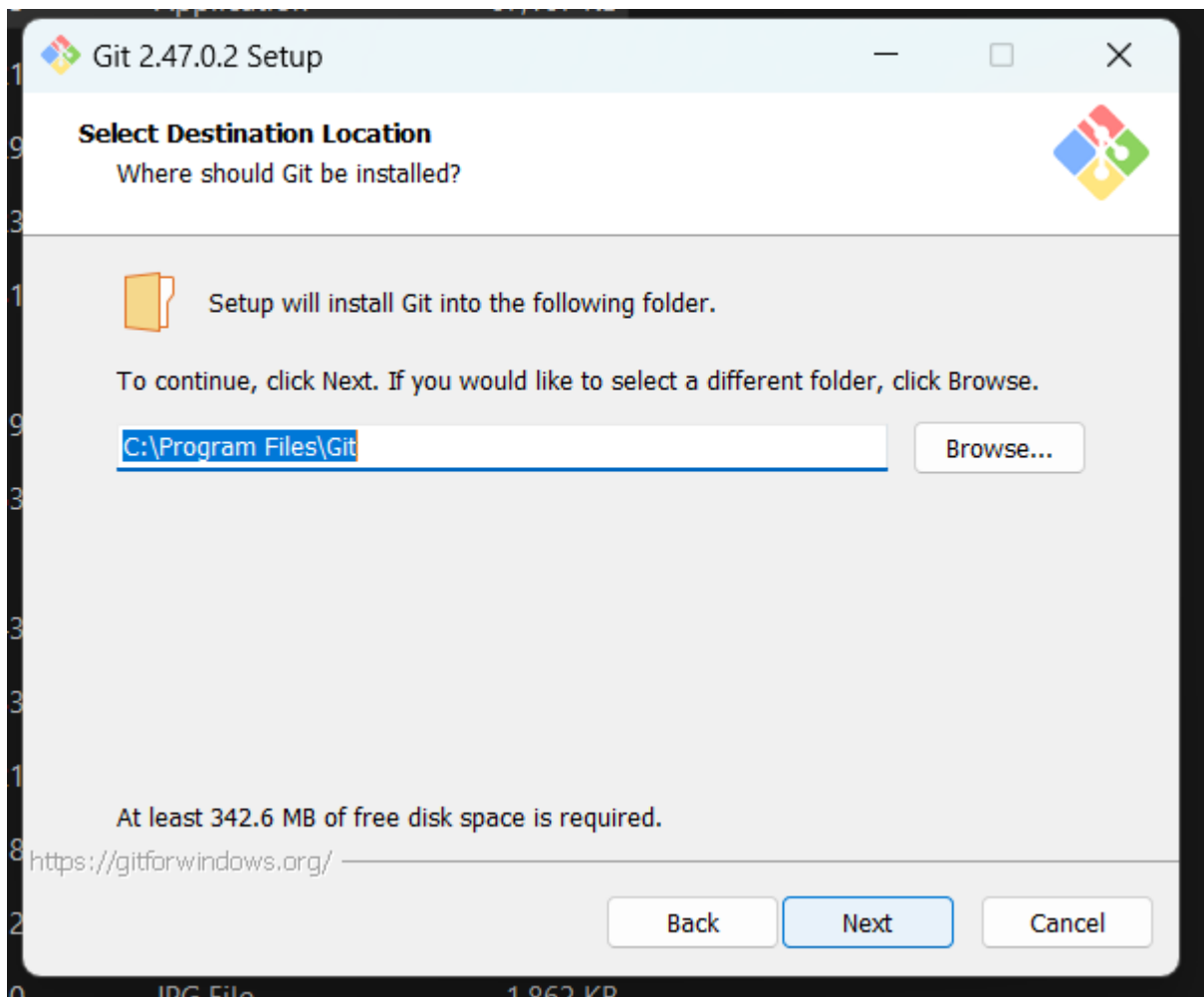
Install [winget tool](#) if you don't already have it, then type this command in command prompt or Powershell.

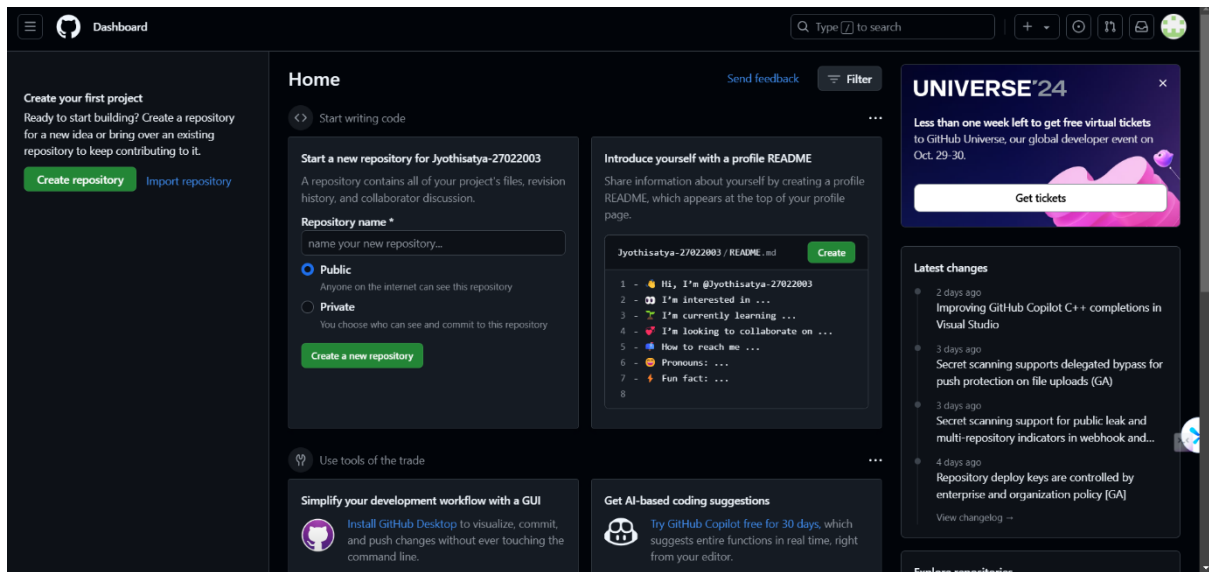
```
winget install --id Git.Git -e --source winget
```

The current source code release is version **2.47.0**. If you want the newer version, you can build it from the [source code](#).

Now What?

Now that you have downloaded Git, it's time to start using it.





After that create Repository and give a name up load a document.