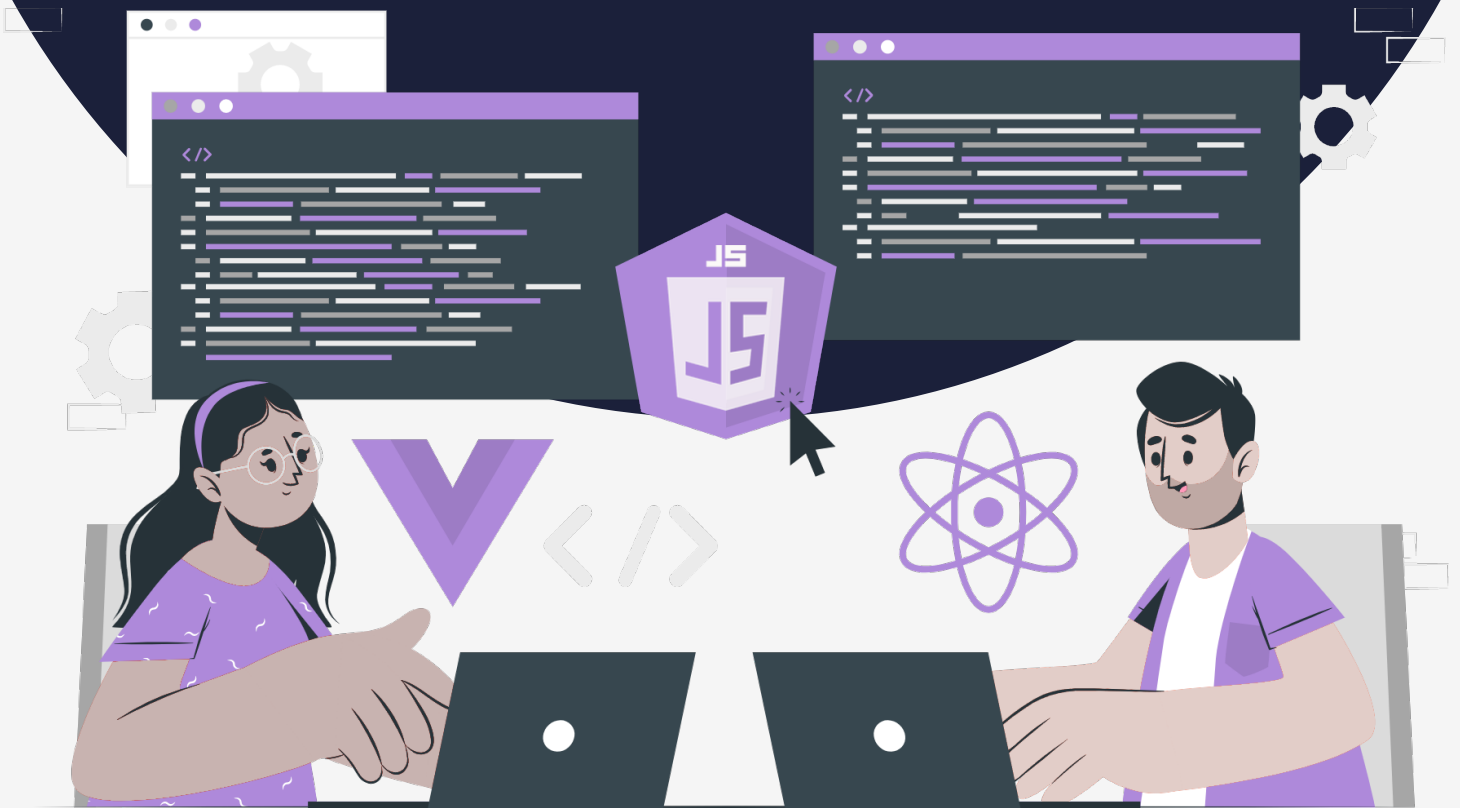# Lesson:

Installation and Git Config

Topics Covered:

- Step by step guide to Git Installation
- Git Configuration

Step by step guide to Git installation

Here are the detailed steps to install Git on your system:

1. **Go to the Git website:** Open a web browser and navigate to the Git website at **https://git-scm.com/downloads**.

2. **Choose the appropriate download for your operating system:** On the Git downloads page, you should see three download options for Windows - 32-bit, 64-bit, or Git for Windows Portable. Choose the appropriate download for your system (Similar for MAC and LINUX).

3. **Download the installer:** Once you have chosen the appropriate download, click on the download button to start the download. The download should only take a few moments to complete.

4. **Run the installer:** Once the download is complete, double-click on the downloaded file to start the installation process. You may see a prompt asking if you want to allow the installer to make changes to your device. Click "Yes" to continue.

5. **Choose the installation options:** During the installation process, you will be prompted to choose the components to install, the destination folder, and the default text editor. Unless you have specific requirements, you can leave the default options selected.

6. **Complete the installation:** Once you have selected your options, click "Next" to continue. The installer will now install Git on your system. When the installation is complete, you will see a prompt asking if you want to launch Git Bash. You can select "Launch Git Bash" if you want to start using Git immediately, or you can close the prompt and open Git Bash later.

7. **Verify the installation:** After installation, you can open Git Bash by searching for "Git Bash" in the Start menu. To verify that Git has been installed correctly, you can open Git Bash and type git --version into the command prompt. If Git has been installed correctly, you should see the version number displayed on the screen.

That's it! You have now successfully installed Git on your Windows system and are ready to start using it to manage your code.

Git Configuration

After installing Git, you will need to configure it before you can start using it. Here are the steps to configure Git:

1. **Open a command prompt or terminal window:** To configure Git, you will need to use the command line. On Windows, you can open the command prompt by pressing the Windows key + R, typing "cmd" into the Run box, and pressing Enter. On Mac or Linux, you can open the terminal by searching for "Terminal" in the Applications menu.

2. **Set your name and email address:** In the command prompt or terminal window, type the following commands, replacing **"Your Name"** and **"your.email@example.com"** with your actual name and email address:

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

This will set your name and email address globally for Git on your system.

3. **Set your default text editor (optional):** If you prefer to use text editor other than the default editor, you can set it using following command:

```
git config --global core.editor "path/to/editor"
```

Replace "path/to/editor" with the path to your preferred text editor.

3. **Check your configuration:** You can check your Git configuration at any time by typing the following command:

```
git config --list
```

This will display a list of your current Git configuration settings.

That's it! You have now successfully configured Git on your system and are ready to start using it to manage your code.