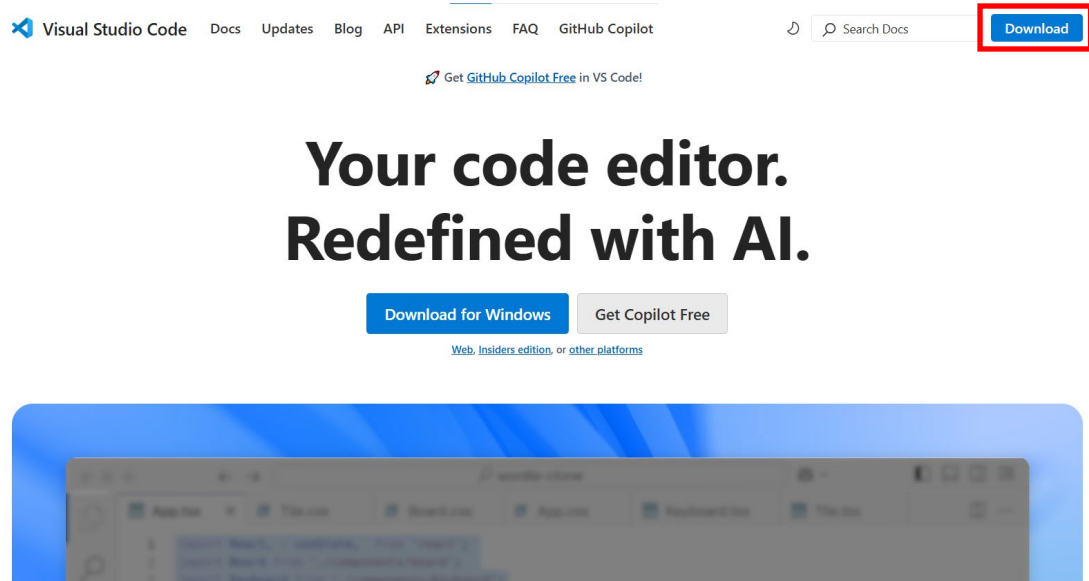


Full Stack Development with AI

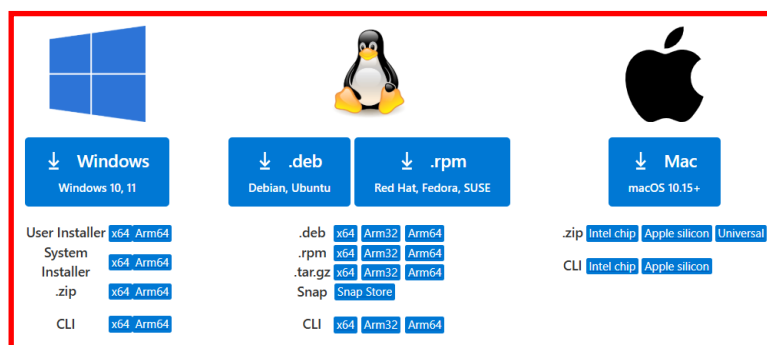
Lab 5.1 – Software Installation

1. Downloading and Installing Visual Studio Code

1. Browse to the official website of Visual Studio Code at <https://code.visualstudio.com/>.
2. Look for the “Download” button at the top right corner and click on it.



3. On the download page, choose the required download option based on the operating system of your laptop. For Windows, you should choose from one of the “User Installer” options.

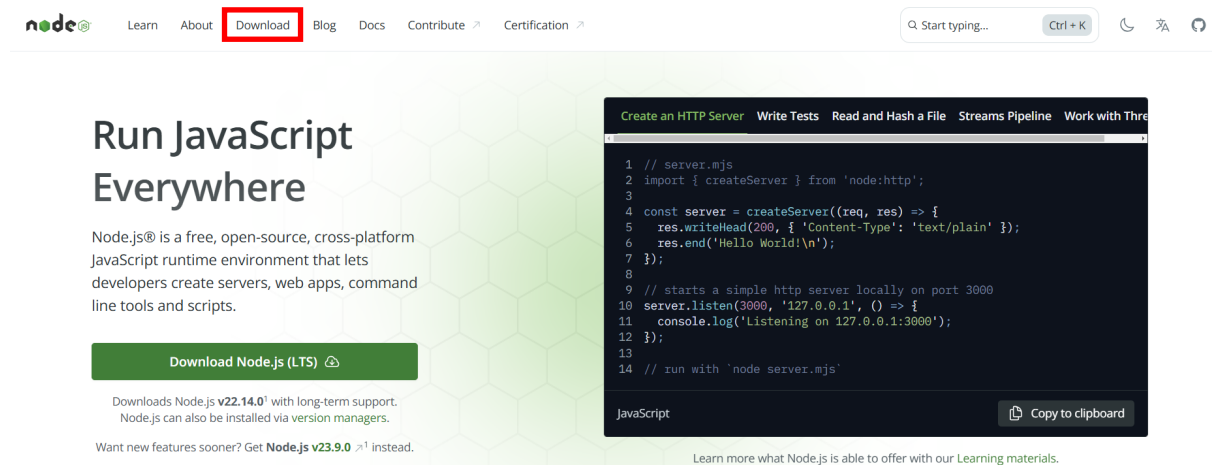


4. Start the installer and follow the on-screen instructions to complete the installation.
5. After installation has completed, click “Finish” to close the installer.

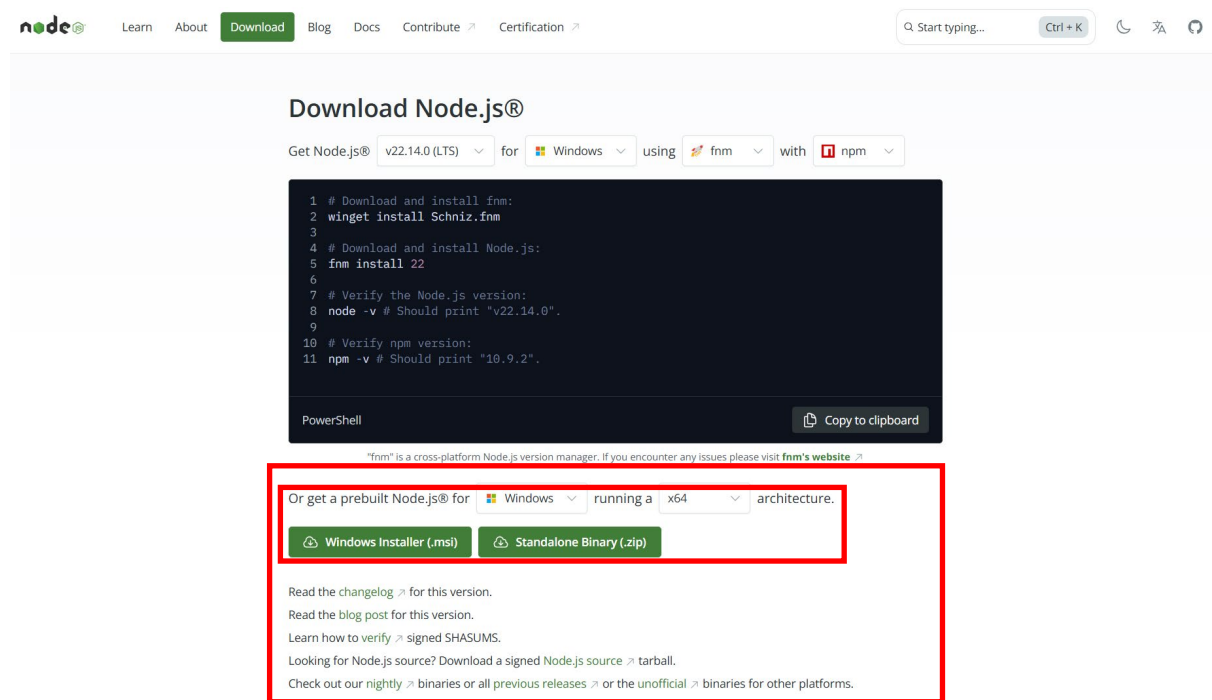
6. “Launch Visual Studio Code” will be checked by default. Otherwise, just start Visual Studio Code by clicking on the shortcut icon on your desktop.
7. Close the “Release Notes” tab.

2. Downloading and Installing Node.js

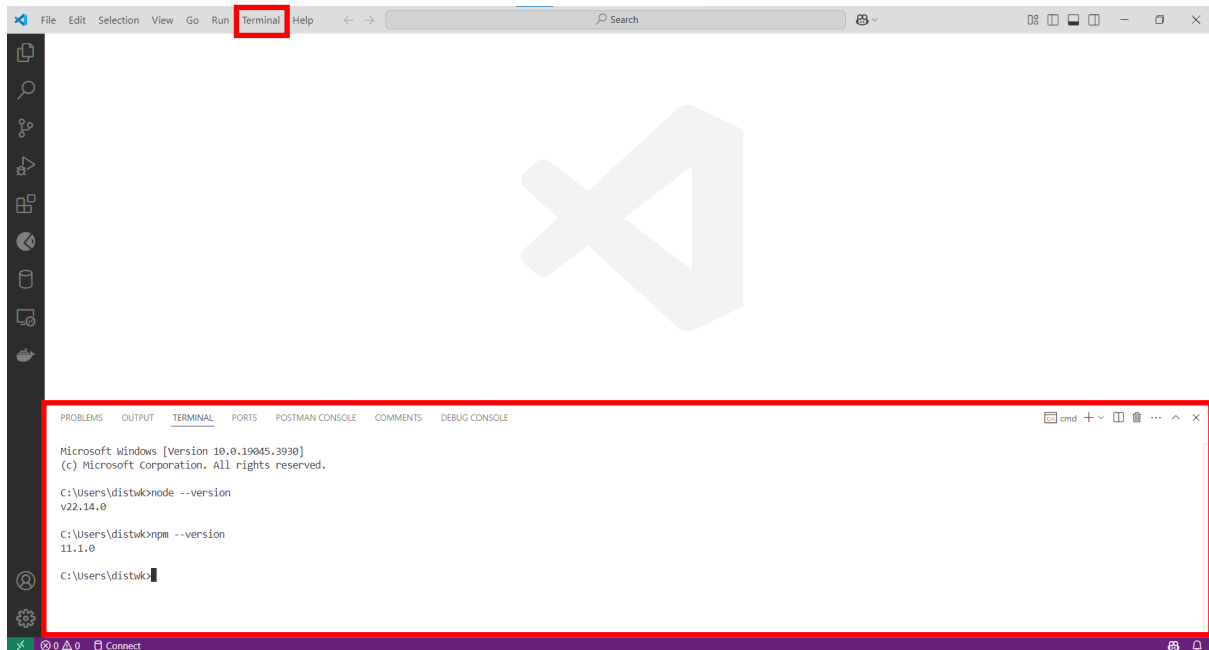
1. Browse to the official website of Node.js at <https://nodejs.org/>.
2. Look for the “Download” link at the top and click on it.



3. On the download page, scroll down and look under the prebuilt section. Choose the required download option based on the operating system of your laptop. This would install the latest LTS version, which is v22.14.0.



4. Start the installer and follow the on-screen instructions to complete the installation.
5. In the “Custom Setup” dialog box, all the features should be selected by default. Do not remove any features.
6. In the “Tools for Native Modules”, the checkbox for “Automatically install the necessary tools” should be unchecked by default. Leave this checkbox unchecked.
7. After installation has completed, click “Finish” to close the installer.
8. Return to Visual Studio Code.
9. From the main menu, select “Terminal > New Terminal” or use the keyboard shortcut “Ctrl+Shift+`” to open a new terminal window at the bottom of Visual Studio Code.



10. Enter the command `node --version` and then verify that Node.js has been installed successfully. The version reported should be "v22.14.0".
11. Enter the command `npm --version` and then verify that node package manager has been installed successfully. The version reported should be "11.1.0".

PROBLEMS OUTPUT TERMINAL PORTS POSTMAN CONSOLE COMMENTS DEBUG CONSOLE

Microsoft Windows [Version 10.0.19045.3930]
(c) Microsoft Corporation. All rights reserved.

C:\Users\distwk>node --version
v22.14.0

C:\Users\distwk>npm --version
11.1.0