

# Setting up the Development Environment

You will need a development environment for writing, debugging, and testing your Java code and applications. While there are many IDEs (Integrated Development Environments) that you can use, I would like everyone in class to use Eclipse. Everyone being on the same development platform makes sharing code much easier. In the end, once you have learned how one IDE works, you will be able to comfortably navigate others. I want you to learn now to use, navigate, and be productive with Eclipse; doing so will make you a more productive programmer.

**Step 1** - From Oracle, download and install the latest stable version of the Java SE Development Kit for your operating system: <https://www.oracle.com/java/technologies/downloads/> (<https://www.oracle.com/java/technologies/downloads/>)

At the time of this writing, the latest stable version is 25.0.2.

**Step 2** - Download your IDE. In this case, Eclipse.

- Download Eclipse from <https://www.eclipse.org/downloads/packages/> (<https://www.eclipse.org/downloads/packages/>) (See the screen capture below, and ensure you select the correct install for your machine).

## Eclipse Tutorials:

- [How to use Eclipse for Java programming](#) ([https://youtu.be/RJPL8oSYWGo?si=VH\\_syAMmqZkHOHi1](https://youtu.be/RJPL8oSYWGo?si=VH_syAMmqZkHOHi1))

[30+ Eclipse Shortcuts Every Java Programmer Should Know](#) (<https://youtu.be/LIGklGdmHII?si=sMYVp1pcRk3JrnnM>)

The screenshot shows the Eclipse IDE 2025-12 R Packages download page. At the top, there's a navigation bar with links for Projects, Supporters, Collaborations, Resources, and The Foundation. Below that is a search bar and a 'Download' button. The main content area features a banner about the Eclipse Installer including a JRE for macOS, Windows, and Linux. It includes a 'Try the Eclipse Installer 2025-12 R' section with a 'Find out more' link and download counts for 405,287 Installer Downloads and 731,586 Package Downloads and Updates. To the right of the banner is a 'Download' button for macOS, Windows, and Linux. A red callout bubble points to the macOS download link with the text 'Select the correct download for your computer.' Below the banner is a section for 'Eclipse IDE for Java Developers' with a download count of 353 MB and 400,333 DOWNLOADS. Another section for 'Eclipse IDE for Enterprise Java and Web Developers' is also visible. On the right side, there's a 'RELATED LINKS' sidebar with links to Compare & Combine Packages, New and Noteworthy, Documentation, Updating Eclipse, Simultaneous Release, Eclipse Foundation Chat (with sub-links for Eclipse IDE General and Eclipse IDE Newcomers), and Contributing to the Eclipse IDE. At the bottom, there's a cookie consent message: 'Some Eclipse Foundation pages use cookies to better serve you when you return to the site. You can set your browser to notify you before you receive a cookie or turn off cookies. If you do so, however, some areas of some sites may not function properly. To read Eclipse Foundation Privacy Policy [click here](#).', with 'Decline' and 'Allow cookies' buttons.