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)

30+ Eclipse Shortcuts Every Java Programmer Should Know (https://youtu.be/LIGkIGdmHIl?si=sMYVp1pcRk3JrnnM)