8. Why and how can some advanced Java IDEs run your code directly without having to compile the code first?

Some advanced IDEs can run code directly by running javac through a GUI so the user does not have to run the javac command in the terminal. This can make it faster so that you just need to click one button instead of typing out both javac MyClass.java and java MyClass.

9. Search the internet to find tutorials for the Java IDE you have installed on your computer. Select a topic or operation you are interested in and learn how to use it through the tutorial. Save the necessary files in your self-study directory.

<https://www.youtube.com/watch?v=HuhJ22oHyfc> is a tutorial on how to use the EGit Eclipse plugin to use git/GitHub inside of Eclipse.