Eclipse Cheatsheet

Useful Keyboard Shortcuts

- `Ctrl + Shift + F`: Autoformat code
- `Ctrl + Shift + O`: Automatically import needed things
- `Ctrl + Shift + T`: Search file by filename and open it
- `Ctrl + F`: Find and replace
- `Ctrl + S`: Save File
- `Ctrl + H`: Find and Replace in entire workspace, also regex support (go to "File Search" tab)
- `Ctrl + Shift + /`: Toggle comment/uncomment line
- `Ctrl + Space`: Open code suggestions (can be done in any context, can be used in class scope to autogenerate the main function)
- `Ctrl + 1`: Quick Fix: Can be used to rename functions, variables, fix syntax errors or convert normal imports to static imports (only use if you know what you're doing)

General Eclipse Tips & Tricks

- While hovering with the Mouse over a method/class name, you can hold `Ctrl` to open the Declaration or Implementation (this leads to the same place most of the time). This can be used on standard Java methods as well, which is useful if you want to find out how a method works.
- Double click words to select the entire word (not eclipse specific shortcut but still extremely useful)
- If you have a class with many fields that you want a constructor for, go to `Source -> Generate Constructor using Fields`
- If you want to generate getters/setters for fields, go to `Source -> Generate Getters and Setters`
- If you want to generate `hashcode()` and `equals()`, like if you have a custom object that you want to use as a map key (unlikely for exam) or you want to compare your custom objects based on equality of their fields, go to `Source -> generate hashCode and equals`
- If you want to see where a method is called in your code (also probably not really relevant for the exam), select the full method name (only the name) and press `Ctrl + Alt + H`
- Use the buttons in the top right to switch between debug and code view (debug view also has the code, but also other things)
- If you ever lose the console, debug view or any other view, go the the search bar in the top right and search for what you need
- If you can't recover your perspective, go to `Window -> Perspective -> Reset Perspective`
- If your code has mysterious syntax errors that seem out of place, go to `Project -> Clean`. If that fixes it, it was nothing. If not, then your code has real syntax errors.