

The (Non-Exhaustive) Java Style Guide

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This document gives an overview of the most common conventions for good Java style. This style guide should help you to increase the readability and understandability of your program.

Please note: This list of conventions is **not** complete. In doubt, reach the [Google Java Style Guide](#) for more details.

Naming

- constants in all uppercase letters, compound words with underscore
- camel-casing for variables and methods
- camel-casing for classes (first letter upper case)
- speaking names
- short names (variables, methods)

Styling

- use of appropriate loops (for, while, do-while)
- code reuse (abstractions, methods, etc.)
- concise (short) methods, where possible
- scope-reduction of variables (e.g., don not use global variables unless required)

Organization

- order of program parts (package name, imports, instance variables, constructor(s), methods)
- correct and consistent indentation (do **not** use tabs, use white spaces instead)
- comments where required or helpful to understand code (do **not** use obsolete or irritating comments)
- proper access modifiers (encapsulation), e.g. keep instance variables private
- exceptions for error handling

Additional Recommendations

- braces for all blocks (i.e., also for blocks with a single statement)
- Javadoc compatible comments