

How to read bytecode: [How to Read Java Bytecode \(with examples\) - DEV Community](#)

Floating variables- how to tell in byte code

[bcel - Identify Unused variables in Java code - Stack Overflow](#)

Initial Setup

Activity: Began the development of a linter tool in Java.

Details: Created the basic structure of the project, including the Analyzer class and its dependencies.

Feature Development: Custom Checks

Implemented various checks in the linter, such as MethodStyleCheck, UnusedVariableChecker, InformationHiding, and FacadePatternChecker.

Details: These checks were designed to enforce coding style, design principles, and design patterns. Used the ASM library for bytecode analysis.

Got a JavaFX drag and drop to work on my machine, but too complex to work for others

Feature Development: Dynamic Check Selection

Activity: Added functionality to select checks dynamically at runtime.

Details: Modified the Analyzer class to prompt the user in the terminal to run specific checks on a per-class basis.

Issue Resolution: Null Pointer Exception

Feature Enhancement: Report Generation

Activity: Enhanced the report generation feature in the ReportGenerator class.

Details: Improved the formatting and structure of the linter analysis report for better readability and clarity.

Feature Enhancement: Check Confirmation

Activity: Modified the check confirmation process in the Analyzer class.

Details: Introduced an option to run all checks without confirmation for each class, improving usability.

Test Development: JUnit Testing

Date: [Date of Test Implementation]

Activity: Created JUnit tests for the linter.

Details: Faced an issue where running JUnit tests triggered the main method instead of the test cases. Suspected a configuration problem in the testing setup

