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Java static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVA code

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Abstract class names should comply with a naming convention

Code Smell

Strings literals should be placed on the left side when checking for equality

Code Smell

Files should contain an empty newline at the end

Code Smell

Source code should be indented consistently

Code Smell

A close curly brace should be located at the beginning of a line

Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be on two different lines

Code Smell

Close curly brace and the next "else", "catch" and "finally" keywords should be located on the same line

Code Smell

An open curly brace should be located at the beginning of a line

Code Smell

An open curly brace should be located at the end of a line

Code Smell

Tabulation characters should not be used

Code Smell

Functions should not be defined with a variable number of arguments

Code Smell

Control structures should use curly braces

Analyze your code

Code Smell Critical ? cert pitfall

While not technically incorrect, the omission of curly braces can be misleading, and may lead to the introduction of errors during maintenance.

Noncompliant Code Example

```
if (condition) // Noncompliant
executeSomething();
```

Compliant Solution

```
if (condition) {
    executeSomething();
}
```

Exceptions

When the body of an if statement is a single return, break or continue and is on the same line.

See

- [CERT, EXP19-C](#) - Use braces for the body of an if, for, or while statement
- [CERT, EXP52-J](#) - Use braces for the body of an if, for, or while statement

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