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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

"compareTo" should not return "Integer.MIN_VALUE"

Analyze your code

BugMinor?

It is the sign, rather than the magnitude of the value returned from `compareTo` that matters. Returning `Integer.MIN_VALUE` does *not* convey a higher degree of inequality, and doing so can cause errors because the return value of `compareTo` is sometimes inversed, with the expectation that negative values become positive. However, inverting `Integer.MIN_VALUE` yields `Integer.MIN_VALUE` rather than `Integer.MAX_VALUE`.

Noncompliant Code Example

```
public int compareTo(MyClass) {
    if (condition) {
        return Integer.MIN_VALUE; // Noncompliant
    }
}
```

Compliant Solution

```
public int compareTo(MyClass) {
    if (condition) {
        return -1;
    }
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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<div>Track uses of disallowed classes</div> <div> Code Smell</div>
<div>Track uses of "@SuppressWarnings" annotations</div> <div> Code Smell</div>