

































-  Secrets
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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

"equals(Object obj)" should be overridden along with the "compareTo(T obj)" method

Analyze your code

Code Smell

Minor

According to the `Java Comparable.compareTo(T o)` documentation:

It is strongly recommended, but not strictly required that `(x.compareTo(y)==0) == (x.equals(y))`. Generally speaking, any class that implements the `Comparable` interface and violates this condition should clearly indicate this fact. The recommended language is "Note: this class has a natural ordering that is inconsistent with equals."

If this rule is violated, weird and unpredictable failures can occur.

For example, in Java 5 the `PriorityQueue.remove()` method relied on `compareTo()`, but since Java 6 it has relied on `equals()`.

Noncompliant Code Example

```
public class Foo implements Comparable<Foo> {
    @Override
    public int compareTo(Foo foo) { /* ... */ } // Noncompliant
}
```

Compliant Solution

```
public class Foo implements Comparable<Foo> {
    @Override
    public int compareTo(Foo foo) { /* ... */ } // Compliant

    @Override
    public boolean equals(Object obj) { /* ... */ }
}
```

Available In:

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