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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

## Literal boolean values and nulls should not be used in assertions

Analyze your code

Code Smell

Minor

junit tests

There's no reason to use literal boolean values or nulls in assertions. Instead of using them with `assertEquals`, `assertNotEquals` and similar methods, you should be using `assertTrue`, `assertFalse`, `assertNull` or `assertNotNull` instead (or `isNull` etc. when using Fest). Using them with assertions unrelated to equality (such as `assertNull`) is most likely a bug.

Supported frameworks:

- JUnit3
- JUnit4
- JUnit5
- Fest assert

**Noncompliant Code Example**

```
Assert.assertTrue(true); // Noncompliant
assertThat(null).isNull(); // Noncompliant

assertEquals(true, something()); // Noncompliant
assertNotEquals(null, something()); // Noncompliant
```

**Compliant Solution**

```
assertTrue(something());
assertNotNull(something());
```

Available In:

sonarlint | sonarcloud | sonarqube

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