




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


 Swift


 Terraform


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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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Quick Fix 42

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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

Modulus results should not be checked for direct equality

Analyze your code

Code Smell

Critical

cert suspicious

When the modulus of a negative number is calculated, the result will either be negative or zero. Thus, comparing the modulus of a variable for equality with a positive number (or a negative one) could result in unexpected results.

Noncompliant Code Example

```
public boolean isOdd(int x) {
    return x % 2 == 1; // Noncompliant; if x is an odd negative number, the result will be 0
}
```

Compliant Solution

```
public boolean isOdd(int x) {
    return x % 2 != 0;
}
```

See

- [CERT, NUM51-J](#) - Do not assume that the remainder operator always returns a nonnegative result for integral operands
- [CERT, INT10-C](#) - Do not assume a positive remainder when using the % operator

Available In:

sonarlint

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https://rules.sonarsource.com/java/RSPEC-2197

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<div>Migrate your tests from JUnit4 to the new JUnit5 annotations</div> <div> Code Smell</div>
<div>Track uses of disallowed classes</div> <div> Code Smell</div>
<div>Track uses of "@SuppressWarnings" annotations</div> <div> Code Smell</div>