




 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


 Text


 TypeScript

 T-SQL

 VB.NET

 VB6

 XML



# Java static code analysis

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

All rules632

Vulnerability53

Bug154

Security Hotspot36

Code Smell389

Quick Fix42

Tags ▾

Search by name... 🔍

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

## The names of methods with boolean return values should start with "is" or "has"

Analyze your code

Code Smell

Major ?

convention

Well-named functions can allow the users of your code to understand at a glance what to expect from the function - even before reading the documentation. Toward that end, methods returning a boolean should have names that start with "is" or "has" rather than with "get".

### Noncompliant Code Example

```
public boolean getFoo() { // Noncompliant
    // ...
}

public boolean getBar(Bar c) { // Noncompliant
    // ...
}

public boolean testForBar(Bar c) { // Compliant - The method
    // ...
}
```

### Compliant Solution

```
public boolean isFoo() {
    // ...
}

public boolean hasBar(Bar c) {
    // ...
}

public boolean testForBar(Bar c) {
    // ...
}
```

### Exceptions

Overriding methods are excluded.

```
@Override
public boolean getFoo(){
    // ...
}
```

Available In:  
sonarlint | sonarcloud | sonarqube

https://rules.sonarsource.com/java/RSPEC-2047

1/2


Local-Variable Type Inference should be used

 Code Smell

Migrate your tests from JUnit4 to the new JUnit5 annotations

 Code Smell

Track uses of disallowed classes

 Code Smell

Track uses of "@SuppressWarnings" annotations

 Code Smell

© 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR, SONARSOURCE, SONARLINT, SONARQUBE and SONARCLOUD are trademarks of SonarSource S.A. All other trademarks and copyrights are the property of their respective owners. All rights are expressly reserved.  
[Privacy Policy](#)