




 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

"switch" statements should have at least 3 "case" clauses

Analyze your code

Code Smell

Minor

bad-practice

switch statements are useful when there are many different cases depending on the value of the same expression.

For just one or two cases however, the code will be more readable with if statements.

Noncompliant Code Example

```
switch (variable) {
  case 0:
    doSomething();
    break;
  default:
    doSomethingElse();
    break;
}
```

Compliant Solution

```
if (variable == 0) {
  doSomething();
} else {
  doSomethingElse();
}
```

Available In:

sonarlint

sonarcloud

sonarqube

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https://rules.sonarsource.com/java/RSPEC-1301

1/2

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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>