




 Secrets


 ABAP


 Apex


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 C++


 CloudFormation


 COBOL


 C#


 CSS


 Flex


 Go


 HTML


 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


 PL/I


 PL/SQL


 Python


 RPG


 Ruby


 Scala


 Swift


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 VB.NET

 VB6

 XML



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

Wildcard imports should not be used

Analyze your code

Code Smell

Critical

pitfall

Blindly importing all the classes in a package clutters the class namespace and could lead to conflicts between classes in different packages with the same name. On the other hand, specifically listing the necessary classes avoids that problem and makes clear which versions were wanted.

Noncompliant Code Example

```
import java.sql.*; // Noncompliant
import java.util.*; // Noncompliant

private Date date; // Date class exists in java.sql and java
```

Compliant Solution

```
import java.sql.Date;
import java.util.List;
import java.util.ArrayList;

private Date date;
```

Exceptions

Static imports are ignored by this rule. E.G.

```
import static java.lang.Math.*;
```

Available In:

sonarlint

sonarcloud

sonarqube

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https://rules.sonarsource.com/java/RSPEC-2208

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| <div>Local-Variable Type Inference should be used</div> <div> Code Smell</div> |
| <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> |