




 Secrets


 ABAP


 Apex


 C


 C++


 CloudFormation


 COBOL


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 **Java**


 JavaScript


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 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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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

"close()" calls should not be redundant

Analyze your code

Code Smell

Minor ?

redundant

Java 7's try-with-resources structure automatically handles closing the resources that the try itself opens. Thus, adding an explicit close() call is redundant and potentially confusing.

Noncompliant Code Example

```
try (PrintWriter writer = new PrintWriter(process.getOutputS
String contents = file.contents());
writer.write(new Gson().toJson(new MyObject(contents)));
writer.flush();
writer.close(); // Noncompliant
}
```

Compliant Solution

```
try (PrintWriter writer = new PrintWriter(process.getOutputS
String contents = file.contents());
writer.write(new Gson().toJson(new MyObject(contents)));
writer.flush();
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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https://rules.sonarsource.com/java/RSPEC-4087

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