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Java static code analysis

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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

"collect" should be used with "Streams" instead of "list::add"

Analyze your code

Code Smell

Minor

java8

While you can use either `forEach(list::add)` or `collect` with a `Stream`, `collect` is by far the better choice because it's automatically thread-safe and parallelizable.

Noncompliant Code Example

```
List<String> bookNames = new ArrayList<>();
books.stream().filter(book -> book.getIsbn().startsWith("0"))
    .map(Book::getTitle)
    .forEach(bookNames::add); // Noncompliant
```

Compliant Solution

```
List<String> bookNames = books.stream().filter(book -> book.
    .map(Book::getTitle)
    .collect(Collectors.toList());
```

Available In:

sonarlint

sonarcloud

sonarqube

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https://rules.sonarsource.com/java/RSPEC-2203

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