

































-  Secrets
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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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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

Private fields only used as local variables in methods should become local variables

Analyze your code

Code Smell

Minor

pitfall

When the value of a private field is always assigned to in a class' methods before being read, then it is not being used to store class information. Therefore, it should become a local variable in the relevant methods to prevent any misunderstanding.

Noncompliant Code Example

```
public class Foo {
    private int a;
    private int b;

    public void doSomething(int y) {
        a = y + 5;
        ...
        if(a == 0) {
            ...
        }
        ...
    }

    public void doSomethingElse(int y) {
        b = y + 3;
        ...
    }
}
```

Compliant Solution

```
public class Foo {

    public void doSomething(int y) {
        int a = y + 5;
        ...
        if(a == 0) {
            ...
        }
    }

    public void doSomethingElse(int y) {
        int b = y + 3;
        ...
    }
}
```

Exceptions

This rule doesn't raise any issue on annotated field.

https://rules.sonarsource.com/java/RSPEC-1450

1/2

<b>Local-Variable Type Inference should be used</b>  Code Smell
<b>Migrate your tests from JUnit4 to the new JUnit5 annotations</b>  Code Smell
<b>Track uses of disallowed classes</b>  Code Smell
<b>Track uses of "@SuppressWarnings" annotations</b>  Code Smell

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