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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

Member variable visibility should be specified

Analyze your code

Code Smell

Minor ?

Failing to explicitly declare the visibility of a member variable could result in it having a visibility you don't expect, and potentially leave it open to unexpected modification by other classes.

Noncompliant Code Example

```
class Ball {
    String color="red"; // Noncompliant
}
enum A {
    B;
    int a;
}
```

Compliant Solution

```
class Ball {
    private String color="red"; // Compliant
}
enum A {
    B;
    private int a;
}
```

Exceptions




Members annotated with `@VisibleForTesting` annotation are ignored, as it indicates that visibility has been purposely relaxed to make the code testable.

```
class Cone {
    @VisibleForTesting
    Logger logger; // Compliant
}
```

Deprecated

This rule is deprecated, and will eventually be removed.





Available In:

 |  | 

https://rules.sonarsource.com/java/RSPEC-2039

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