




 Secrets


 ABAP


 Apex


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 **Java**


 JavaScript


 Kotlin


 Objective C


 PHP


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 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

Abstract classes without fields should be converted to interfaces

Analyze your code

Code Smell

Minor ?

java8

With Java 8's "default method" feature, any abstract class without direct or inherited field should be converted into an interface. However, this change may not be appropriate in libraries or other applications where the class is intended to be used as an API.

**Note** that this rule is automatically disabled when the project's `sonar.java.source` is lower than 8.

Noncompliant Code Example

```
public abstract class Car {
    public abstract void start(Environment c);

    public void stop(Environment c) {
        c.freeze(this);
    }
}
```

Compliant Solution

```
public interface Car {
    public void start(Environment c);

    public default void stop(Environment c) {
        c.freeze(this);
    }
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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https://rules.sonarsource.com/java/RSPEC-1610

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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>