sonar RULES

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Java static code analysis

Unique rules to find Bugs, Vulnerabilities, Security Hotspots, and Code Smells in your JAVA code

All rules 632 | Vulnerability 53 | Bug 154 | Security Hotspot 36 | Code Smell 389 | Quick Fix 42

Tags

Search by name...

Control structures should use curly braces
Code Smell

Expressions should not be too complex
Code Smell

Mockito argument matchers should be used on all parameters
Bug

Spring "@Controller" classes should not use "@Scope"
Bug

Constructor injection should be used instead of field injection
Bug

Classes that don't define "hashCode()" should not be used in hashes
Bug

Floating point numbers should not be tested for equality
Bug

Increment (++) and decrement (--) operators should not be used in a method call or mixed with other operators in an expression
Code Smell

Limited dependence should be placed on operator precedence
Code Smell

Custom getter method should not be used to override record's getter behavior
Code Smell

Tests should use fixed data instead of randomized data

Unused "private" classes should be removed

Analyze your code

Code Smell   Major   unused

`private` classes that are never used are dead code: unnecessary, inoperative code that should be removed. Cleaning out dead code decreases the size of the maintained codebase, making it easier to understand the program and preventing bugs from being introduced.

Noncompliant Code Example

```
public class Foo
{
  ...
  private class MyUnusedPrivateClass {...} // Noncompliant
}
```

Available In:

sonarlint sonarcloud sonarqube

Code Smell

Spring's ModelAndViewAssert assertions should be used instead of other assertions

Code Smell

Lambdas should not have too many lines

Code Smell

"@EnableAutoConfiguration" should be fine-tuned

Code Smell

Enum values should be compared with