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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

JUnit rules should be used

Analyze your code

Code Smell

Minor

junit tests unused

While some `TestRule` classes have the desired effect without ever being directly referenced by a test, several others do not, and there's no reason to leave them cluttering up the file if they're not in use.

This rule raises an issue when `Test` class fields of the following types aren't used by any of the test methods: `TemporaryFolder`, and `TestName`.

This rule also applies to the JUnit 5 equivalent classes: `TempDir`, and `TestInfo`.

Noncompliant Code Example

```
public class ProjectDefinitionTest {

    @Rule
    public TemporaryFolder temp = new TemporaryFolder(); // N

    @Test
    public void shouldSetKey() {
        ProjectDefinition def = ProjectDefinition.create();
        def.setKey("mykey");
        assertThat(def.getKey(), is("mykey"));
    }
}
```

Compliant Solution

```
public class ProjectDefinitionTest {

    @Test
    public void shouldSetKey() {
        ProjectDefinition def = ProjectDefinition.create();
        def.setKey("mykey");
        assertThat(def.getKey(), is("mykey"));
    }
}
```

Available In:

sonarlint

sonarcloud

sonarqube

https://rules.sonarsource.com/java/RSPEC-2924

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<div>Track uses of disallowed classes</div> <div> Code Smell</div>
<div>Track uses of "@SuppressWarnings" annotations</div> <div> Code Smell</div>