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Scala


Swift


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Text


TypeScript

T-SQL

VB.NET

VB6

XML

JS

# JavaScript static code analysis

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

All rules285

Vulnerability29

Bug62

Security Hotspot43

Code Smell151

Quick Fix41

Tags

Search by name...

Object literal shorthand syntax should be used

Code Smell

Strings and non-strings should not be added

Code Smell

Object literal syntax should be used

Code Smell

"undefined" should not be assigned

Code Smell

Trailing commas should not be used

Code Smell

Array constructors should not be used

Code Smell

Quotes for string literals should be used consistently

Code Smell

Statements should end with semicolons

Code Smell

Comments should not be located at the end of lines of code

Code Smell

Loops should not contain more than a single "break" or "continue" statement

Code Smell

Variable, property and parameter names should comply with a naming convention

Code Smell

Lines should not end with trailing whitespaces

Code Smell

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

Analyze your code

Code Smell

Major

The use of increment and decrement operators in method calls or in combination with other arithmetic operators is not recommended, because:

- It can significantly impair the readability of the code.
- It introduces additional side effects into a statement, with the potential for undefined behavior.
- It is safer to use these operators in isolation from any other arithmetic operators.

### Noncompliant Code Example

```
u8a = ++u8b + u8c--;
foo = bar++ / 4;
```

### Compliant Solution

The following sequence is clearer and therefore safer:

```
++u8b;
u8a = u8b + u8c;
u8c--;
foo = bar / 4;
bar++;
```

Available In:

sonarlint

sonarcloud

sonarqube

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https://rules.sonarsource.com/javascript/RSPEC-881

1/2

<div>Files should contain an empty newline at the end</div> <div> Code Smell</div>
<div>An open curly brace should be located at the end of a line</div> <div> Code Smell</div>
<div>Tabulation characters should not be used</div> <div> Code Smell</div>
<div>Function and method names should comply with a naming convention</div> <div> Code Smell</div>