sonar RULES

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JS | JavaScript static code analysis

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

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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

"===" and "!==" should be used instead of "==" and "!="

Analyze your code

⚙ Code Smell   ⬣ Major ?   🏷 suspicious

The `==` and `!=` operators do type coercion before comparing values. This is bad because it can mask type errors. For example, it evaluates `' \t\r\n' == 0` as `true`.

It is best to always use the side-effect-less `===` and `!==` operators instead.

Noncompliant Code Example

```
if (var == 'howdy') {...} // Noncompliant
```

Compliant Solution

```
if (var === 'howdy') {...}
```

Exceptions

Even if testing the equality of a variable against null doesn't do exactly what most JavaScript developers believe, usage of `==` or `!=` is tolerated in such context. In the following case, if `foo` hasn't been initialized, its default value is not `null` but `undefined`. Nevertheless `undefined == null`, so JavaScript developers get the expected behavior.

```
if(foo == null) {...}
```

Available In:

sonarlint ⊖ | sonarcloud ⊙ | sonarqube ⦚

Files should contain an empty newline at the end

⊛ 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

Function and method names should comply with a naming convention

⊛ Code Smell