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JavaScript static code analysis

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

All rules 285 | Vulnerability 29 | Bug 62 | Security Hotspot 43 | Code Smell 151 | Quick Fix 41

Tags | Search by name...

- Control structures should use curly braces — Code Smell
- String literals should not be duplicated — Code Smell
- Expressions should not be too complex — Code Smell
- Local storage should not be used — Vulnerability
- Template literal placeholder syntax should not be used in regular strings — Bug
- Built-in objects should not be overridden — Bug
- "for...in" loops should filter properties before acting on them — Bug
- Results of operations on strings should not be ignored — Bug
- Increment (++) and decrement (--) operators should not be used in a method call or mixed with other operators in an expression — Code Smell
- "for in" should not be used with iterables — Code Smell
- Functions should use "return" consistently — Code Smell
- Variables and functions should not be declared in the global scope

Sparse arrays should not be declared

Analyze your code

Code Smell | Major | suspicious

An array declared with missing ("sparse") elements is likely to be an error: an extra comma was inserted or perhaps the developer meant to insert the missing value and forgot.

Noncompliant Code Example

```
let a = [1, , 3, 6, 9];  // Noncompliant
```

Compliant Solution

```
let a = [1, 3, 6, 9];
```

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Code Smell

Arithmetic operators should only have numbers as operands

Code Smell

Values not convertible to numbers should not be used in numeric comparisons

Code Smell

Arithmetic operations should not result in "NaN"

Code Smell

"arguments" should not be accessed