JavaScript static code analysis

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

Using shell interpreter when executing OS commands is security-sensitive
Security Hotspot

Setting loose POSIX file permissions is security-sensitive
Security Hotspot

Formatting SQL queries is security-sensitive
Security Hotspot

Comma operator should not be used
Code Smell

Regular expressions should not contain empty groups
Code Smell

Regular expressions should not contain multiple spaces
Code Smell

Chai assertions should have only one reason to succeed
Code Smell

Single-character alternations in regular expressions should be replaced with character classes
Code Smell

Reluctant quantifiers in regular expressions should be followed by an expression that can't match the empty string
Code Smell

Tests should check which exception is thrown
Code Smell

Character classes in regular expressions should not contain the same character twice

Loop counters should not be assigned to from within the loop body

Analyze your code

Code Smell Critical

Loop counters should not be modified in the body of the loop. However other loop control variables representing logical values may be modified in the loop, for example a flag to indicate that something has been completed, which is then tested in the for statement.

Noncompliant Code Example

```
var names = [ "Jack", "Jim", "", "John" ];
for (var i = 0; i < names.length; i++) {
  if (!names[i]) {
    i = names.length;                                 // Non
  } else {
    console.log(names[i]);
  }
}
```

Compliant Solution

```
var names = [ "Jack", "Jim", "", "John" ];
for (var name of names) {
  if (!name) {
    break;                               // Compliant
  } else {
    console.log(name);
  }
}
```

Available In:

sonarlint sonarcloud sonarqube

Code Smell

Names of regular expressions named groups should be used

Code Smell

Regular expressions should not be too complicated

Code Smell

Shorthand promises should be used

Code Smell

Template literals should not be nested

Code Smell