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JavaScript static code analysis

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

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object declaration

Code Smell

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

Only "while", "do", "for" and "switch" statements should be labelled

Analyze your code

Code Smell

Major ?

pitfall

Any statement or block of statements can be identified by a label, but those labels should be used only on while, do-while, for and switch statements. Using labels in any other context leads to unstructured, confusing code.

Noncompliant Code Example

```
myLabel: if (i % 2 == 0) { // Noncompliant
  if (i == 12) {
    console.log("12");
    break myLabel;
  }
  console.log("Even number, but not 12");
}
```





Compliant Solution

```
myLabel: for (i = 0; i < 10; i++) { // Compliant
  console.log("Loop");
  break myLabel;
}
```

Available In:

sonarlint | sonarcloud | sonarqube

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<div>whitespaces</div> <div> Code Smell</div>
<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</div>