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# PHP static code analysis

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

All rules 268

Vulnerability 40

Bug 51

Security Hotspot 33

Code Smell 144

Tags ▾

Search by name...

Deprecated predefined variables should not be used
Code Smell
"switch" statements should not have too many "case" clauses
Code Smell
Classes should not have too many methods
Code Smell
Functions should not have too many lines of code
Code Smell
"for" loop stop conditions should be invariant
Code Smell
Sections of code should not be commented out
Code Smell
Unused function parameters should be removed
Code Smell
Unused "private" methods should be removed
Code Smell
Functions should not contain too many return statements
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Track uses of "FIXME" tags
Code Smell
Generic exceptions <code>ErrorException</code> , <code>RuntimeException</code> and <code>Exception</code> should not be thrown
Code Smell

## Array or Countable object count comparisons should make sense

Analyze your code

Bug Major

The count of elements from an array or Countable object is always greater than or equal to zero. So testing that the count is greater than or equal to zero doesn't make sense, since the result is always `true`. Similarly testing that it is less than zero will always return `false`. Perhaps the intent was to check the non-emptiness of the object or array instead.

### Noncompliant Code Example

```
if (count($arr) >= 0) { ... }

if (count($arr) < 0) { ... }

$result = count($arr) >= 0;

if (0 > count($arr)) { ... }
```

### Compliant Solution

```
if (count($arr) != 0) { ... }

if (count($arr) > 0) { ... }
```

Available In:

sonarlint sonarcloud sonarqube

Local variables should not have the same name as class fields

 Code Smell

Redundant pairs of parentheses should be removed

 Code Smell

Inheritance tree of classes should not be too deep

 Code Smell

Nested blocks of code should not be left empty

 Code Smell