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# Python static code analysis

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

All rules 216

Vulnerability 29

Bug 55

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Code Smell 101

Tags ▾

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Functions should not have too many lines of code
Code Smell
Track uses of "NOSONAR" comments
Code Smell
Track comments matching a regular expression
Code Smell
Statements should be on separate lines
Code Smell
Functions should not contain too many return statements
Code Smell
Files should not have too many lines of code
Code Smell
Lines should not be too long
Code Smell
Methods and properties that don't access instance data should be static
Code Smell
New-style classes should be used
Code Smell
Parentheses should not be used after certain keywords
Code Smell
Track "TODO" and "FIXME" comments that do not contain a reference to a person
Code Smell
Module names should comply with a naming convention

## Redundant pairs of parentheses should be removed

Analyze your code

Code Smell

Major ?

confusing

The use of parentheses, even those not required to enforce a desired order of operations, can clarify the intent behind a piece of code. But redundant pairs of parentheses could be misleading, and should be removed.

### Noncompliant Code Example

```
return ((3))      # Noncompliant
return ((x + 1))  # Noncompliant
x = ((y / 2)) + 1 # Noncompliant
```

### Compliant Solution

```
return 3
return (3)
return x + 1
return (x + 1)
x = y / 2 + 1
x = (y / 2) + 1
```

Available In:

sonarlint | sonarcloud | sonarqube

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Comments should not be located at the end of lines of code

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Lines should not end with trailing whitespaces

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Files should contain an empty newline at the end

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Long suffix "L" should be upper case

 Code Smell