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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)   🛡 Security Hotspot (31)   ☢ Code Smell (101)

Tags ⌄   Search by name...

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

Parentheses should not be used after certain keywords

Analyze your code

☢ Code Smell   ⌄ Minor ?

Parentheses are not required after the `assert`, `del`, `elif`, `except`, `for`, `if`, `in`, `not`, `raise`, `return`, `while`, and `yield` keywords, and using them unnecessarily impairs readability. They should therefore be omitted.

Noncompliant Code Example

```
x = 1
while (x < 10):
    print "x is now %d" % (x)
    x += 1
```

Compliant Solution

```
x = 1
while x < 10:
    print "x is now %d" % (x)
    x += 1
```

Available In:

sonarlint | sonarcloud | sonarqube

naming convention

⊗ Code Smell

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

⊗ Code Smell

Lines should not end with trailing
whitespaces

⊗ Code Smell

Files should contain an empty newline
at the end

⊗ Code Smell

Long suffix "L" should be upper case

⊗ Code Smell