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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 ▾



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

Method names should comply with a naming convention

Analyze your code

 Code Smell

 Minor 

 convention

Sharing some naming conventions is a key point to make it possible for a team to efficiently collaborate. This rule allows to check that all method names match a provided regular expression.

Noncompliant Code Example

With default provided regular expression: `^[a-z][a-z0-9_]*$`

```
class MyClass:
    def MyMethod(a,b):
        ...
```

Compliant Solution

```
class MyClass:
    def my_method(a,b):
        ...
```

Available In:

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 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