

PL/I

PL/SQL

Python

RPG

Ruby

Scala

Swift

Text

T-SQL

VB.NET

VB6

XML

Terraform

TypeScript

J.

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Python static code analysis

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



∰ Bug (55)

Tags

Security Hotspot 31

Code Smell (101)

runctions snould not have too many lines of code

A 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

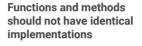
Parentheses should not be used after certain keywords

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



Analyze your code

confusing duplicate suspicious

Search by name...

When two functions or methods have the same implementation, either it was a mistake - something else was intended - or the duplication was intentional, but may be confusing to maintainers. In the latter case, one implementation should invoke the other. Numerical and string literals are not taken into account

Noncompliant Code Example

```
class MyClass:
   code = "bounteous"
    def calculate_code(self):
        self.do_the_thing()
        return self. class .code
    def get name(self): # Noncompliant
        self.do_the_thing()
        return self.__class__.code
    def do_the_thing(self):
        pass # on purpose
```

Compliant Solution

```
class MyClass:
   code = "bounteous"
    def calculate code(self):
        self.do_the_thing()
        return self.__class__.code
    def get_name(self):
        return self.calculate_code()
    def do_the_thing(self):
        pass # on purpose
```

No issue will be raised on empty methods/functions and methods/functions with only one line of code.

Available In:

sonarlint ⊕ | sonarcloud ♦ | sonarqube

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

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