Code Smell (101)

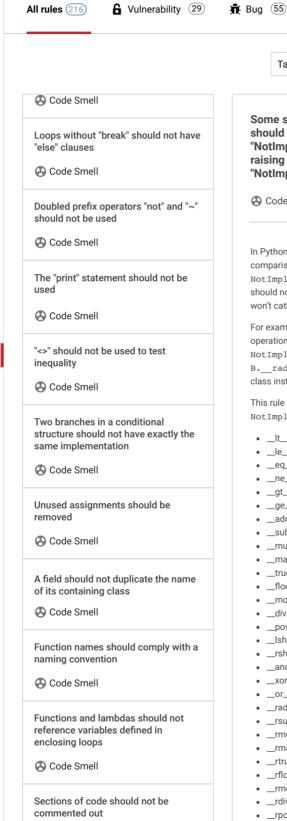






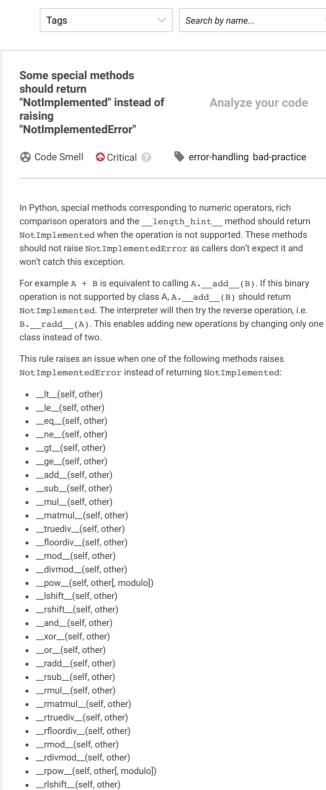
Python static code analysis

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



Code Smell

Unused function parameters should



rrshift(self, other)_rand_(self, other)_rxor_(self, other)

Security Hotspot 31

be removed

A Code Smell

Unused class-private methods should be removed

Code Smell

Track uses of "FIXME" tags

Code Smell

"Exception" and "BaseException" should not be raised

A Code Smell

Redundant pairs of parentheses should be removed

Code Smell

- __ror__(self, other)
- __iadd__(self, other)
- __isub__(self, other)
- __imul__(self, other)
- __imatmul__(self, other)
- __itruediv__(self, other)
- __ifloordiv__(self, other)
- __imod__(self, other)
- __ipow__(self, other[, modulo])
- __ilshift__(self, other)
- __irshift__(self, other)
- __iand__(self, other)
- __ixor__(self, other)
- __ior__(self, other)
- _lor_(self, other)_length_hint_(self)

Noncompliant Code Example

```
class MyClass:
    def __add__(self, other):
        raise NotImplementedError() # Noncompliant
    def __radd__(self, other):
        raise NotImplementedError() # Noncompliant

class MyOtherClass:
    def __add__(self, other):
        return 42
    def __radd__(self, other):
        return 42

MyClass() + MyOtherClass() # This will raise NotImplem
```

Compliant Solution

```
class MyClass:
    def __add__(self, other):
        return NotImplemented
    def __radd__(self, other):
        return NotImplemented

class MyOtherClass:
    def __add__(self, other):
        return 42
    def __radd__(self, other):
        return 42

MyClass() + MyOtherClass() # This returns 42
```

See

- Python documentation Built-in Constants NotImplemented
- Python documentation Implementing the arithmetic operations

Available In:

© 2008-2022 SonarSource S.A., Switzerland. All content is copyright protected. SONAR, SONARSOURCE, SONARLINT, SONARQUBE and SONARCLOUD are trademarks of SonarSource S.A. All other trademarks and copyrights are the property of their respective owners. All rights are expressly reserved. Privacy Policy