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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
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- 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

Field 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 field names match a provided regular expression.

Noncompliant Code Example

With the default regular expression `^[ _a-z ] [ _a-z0-9 ] *$`:

```
class MyClass:
    myField = 1
```

Compliant Solution

```
class MyClass:
    my_field = 1
```

Available In:

sonarlint | sonarcloud | sonarqube

 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