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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) |

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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

Track "TODO" and "FIXME" comments that do not contain a reference to a person

☢ Code Smell   ⬇ Minor ⑦   🏷 convention

Analyze your code

TODO and FIXME comments are typically intended to be short-lived; they are placeholders and reminders that programmers leave for themselves. Unfortunately, even with the best of intentions, those comments are not always acted on and removed in a timely manner. Thus, they can become mysterious, lingering cruft in a code base, reducing both readability and understand-ability.

This rule flags all FIXME and TODO comments that do not have an attribution matching the specified regular expression immediately after the FIXME or TODO. Ideally, such comments will also contain information about what needs to be fixed or done, but this rule does not enforce that.

Noncompliant Code Example

```
# TODO
```

Compliant Solution

```
# TODO(ganncamp) per the business partners, more checks
```

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