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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

"except" clauses should do more than raise the same issue

Analyze your code

☢ Code Smell   ✅ Minor ❓   🏷 error-handling unused finding clumsy

An `except` clause that only rethrows the caught exception has the same effect as omitting the `except` altogether and letting it bubble up automatically, but with more code and the additional detriment of leaving maintainers scratching their heads.

Such clauses should either be eliminated or populated with the appropriate logic.

Noncompliant Code Example

```
a = {}
try:
    a[5]
except KeyError:
    raise  # Noncompliant
```

Compliant Solution

```
a = {}
try:
    a[5]
except KeyError as e:
    logging.exception('error while accessing the dict')
    raise e
```

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