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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

"pass" should not be used needlessly

Analyze your code

☢ Code Smell   ⬇ Minor ❓   🏷 unused

The use of a `pass` statement where it's not required by the syntax is pure cruft and should be removed.

Noncompliant Code Example

```
def __init__(self, log="", who="", date=0, files=[]
    self.log = log
    self.files = files
    self.who = who
    self.date = date
    pass    # Noncompliant

def lookup():
    pass    # Compliant; method can't be empty
```

Compliant Solution

```
def __init__(self, log="", who="", date=0, files=[]
    self.log = log
    self.files = files
    self.who = who
    self.date = date

def lookup():
    pass
```

Available In:

sonarlint 〇 | 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