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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

Tags ▾

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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 lack of copyright and license headers

Analyze your code

Code Smell Blocker ?

Each source file should start with a header stating file ownership and the license which must be used to distribute the application.


This rule must be fed with the header text that is expected at the beginning of every file.

Compliant Solution

```
#
# SonarQube, open source software quality management to
# Copyright (C) 2008-2018 SonarSource
# mailto:contact AT sonarsource DOT com
#
# SonarQube is free software; you can redistribute it a
# modify it under the terms of the GNU Lesser General P
# License as published by the Free Software Foundation;
# version 3 of the License, or (at your option) any lat
#
# SonarQube is distributed in the hope that it will be
# but WITHOUT ANY WARRANTY; without even the implied wa
# MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
# Lesser General Public License for more details.
#
# You should have received a copy of the GNU Lesser Gen
# along with this program; if not, write to the Free So
# Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02
#
```

Available In:




 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