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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		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		

"\" should only be used as an escape character outside of raw strings

Analyze your code

 Bug  Major 

Typically, backslashes are seen only as part of escape sequences. Therefore, the use of a backslash outside of a raw string or escape sequence looks suspiciously like a broken escape sequence.

Characters recognized as escape-able are: abfnrtvxo\'\"

Noncompliant Code Example

```
s = "Hello \world."
t = "Nice to \ meet you"
u = "Let's have \ lunch"
```

Compliant Solution

```
s = "Hello world."
t = "Nice to \\ meet you"
u = r"Let's have \ lunch" // raw string
```

Deprecated

This rule is deprecated, and will eventually be removed.

Available In:

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 Code Smell

Comments should not be located at the end of lines of code

 Code Smell

Lines should not end with trailing whitespaces

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Files should contain an empty newline at the end

 Code Smell

Long suffix "L" should be upper case

 Code Smell