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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 ▾


Search by name... 🔍


Functions should not have too many lines of code	
Track uses of "NOSONAR" comments	
Track comments matching a regular expression	
Statements should be on separate lines	
Functions should not contain too many return statements	
Files should not have too many lines of code	
Lines should not be too long	
Methods and properties that don't access instance data should be static	
New-style classes should be used	
Parentheses should not be used after certain keywords	
Track "TODO" and "FIXME" comments that do not contain a reference to a person	
Module names should comply with a naming convention	

Files should contain an empty newline at the end

Analyze your code

 Code Smell

 Minor ?

 convention

Some tools such as Git work better when files end with an empty line. This rule simply generates an issue if it is missing.

For example, a Git diff looks like this if the empty line is missing at the end of the file:

```
+class Test:
+    pass
\ No newline at end of file
```


Available In:

 sonarlint


 sonarcloud

 sonarqube


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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

 Code Smell

Files should contain an empty newline at the end

 Code Smell

Long suffix "L" should be upper case

 Code Smell