Secrets
ABAP
Apex
C
C++
CloudFormation
COBOL
C#
CSS
Flex
Go
HTML
Java
JavaScript
Kotlin
Objective C
PHP
PL/I
PL/SQL
Python
RPG
Ruby
Scala
Swift
Terraform
Text
TypeScript
T-SQL
VB.NET
VB6
XML

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...

names should comply with a naming convention
Code Smell

Field names should comply with a naming convention
Code Smell

Class names should comply with a naming convention
Code Smell

Method names should comply with a naming convention
Code Smell

Track uses of "TODO" tags
Code Smell

HTML autoescape mechanism should not be globally disabled
Vulnerability

Variables, classes and functions should be either defined or imported
Bug

"__exit__" should accept type, value, and traceback arguments
Bug

"return" and "yield" should not be used in the same function
Bug

Track lack of copyright and license headers
Code Smell

HTTP response headers should not be vulnerable to injection attacks
Vulnerability

Regular expressions should be syntactically valid

Collection sizes and array length comparisons should make sense

Analyze your code

Bug Major

The length of a collection is always greater than or equal to zero. So testing that a length is greater than or equal to zero doesn't make sense, since the result is always `true`. Similarly testing that it is less than zero will always return `false`. Perhaps the intent was to check the non-emptiness of the collection instead.

Noncompliant Code Example

```
mylist = []
if len(myList) >= 0:  # Noncompliant
    pass

if len(myList) < 0:  # Noncompliant
    pass
```

Compliant Solution

```
mylist = []
if len(myList) >= 42:
    pass

if len(myList) == 0:
    pass
```

Available In:

sonarlint | sonarcloud | sonarqube

Bug

Sending emails is security-sensitive

Security Hotspot

Reading the Standard Input is security-sensitive

Security Hotspot

Using command line arguments is security-sensitive

Security Hotspot

Encrypting data is security-sensitive

Security Hotspot