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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

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Code Smell 101

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Related "if/else if" statements should not have the same condition
Bug
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Disabling auto-escaping in template engines is security-sensitive
Security Hotspot
Setting loose POSIX file permissions is security-sensitive
Security Hotspot
Formatting SQL queries is security-sensitive
Security Hotspot
Character classes in regular expressions should not contain only one character
Code Smell

"break" and "continue" should not be used outside a loop

Analyze your code

Bug Critical ?

break and continue are unstructured control flow statements which make code harder to read. Additionally, more recent versions of Python raise a SyntaxError when modules containing break or continue outside of a loop are imported.

Therefore, these statements should not be used outside of loops.

Noncompliant Code Example

```
narg=len(sys.argv)
if narg == 1:
    print('@Usage: input_filename nelements ninterv
break
```


Compliant Solution

```
if narg == 1:
    print('@Usage: input_filename nelements ninterv
    sys.exit()
```


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Superfluous curly brace quantifiers should be avoided

 Code Smell


Non-capturing groups without quantifier should not be used

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Regular expressions should not contain empty groups

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Regular expressions should not contain multiple spaces

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Single character alternations in