PythonBug Deactivate

"\_\_init\_\_" should not return a value

PythonBug Deactivate

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

PythonBug Deactivate

"except" clauses should do more than raise the same issue

PythonCode Smellclumsy, error-handling, finding, unused

Deactivate

"Exception" and "BaseException" should not be raised

PythonCode Smellcwe, error-handling Deactivate

"pass" should not be used needlessly

PythonCode Smellunused Deactivate

"self" should be the first argument to instance methods

PythonCode Smellconfusing, convention, suspicious Deactivate

"SystemExit" should be re-raised

PythonCode Smellbad-practice, error-handling, suspicious Deactivate

"yield" and "return" should not be used outside functions

PythonBug Deactivate

`str.replace` should be preferred to `re.sub`

PythonCode Smellperformance, regex Deactivate

A field should not duplicate the name of its containing class

PythonCode Smellbrain-overload Deactivate

A secure password should be used when connecting to a database

PythonVulnerabilitycwe, owasp-a2, owasp-a3 Deactivate

A subclass should not be in the same "except" statement as a parent class

PythonCode Smellunused Deactivate

All "except" blocks should be able to catch exceptions

PythonBug Deactivate

All branches in a conditional structure should not have exactly the same implementation

PythonBug Deactivate

All code should be reachable

PythonBugcwe, unused Deactivate

Allowing both safe and unsafe HTTP methods is security-sensitive

PythonSecurity Hotspotcwe, owasp-a5, sans-top25-insecure Deactivate

Alternatives in regular expressions should be grouped when used with anchors

PythonBugregex Deactivate

Arguments given to functions should be of an expected type

PythonCode Smellsuspicious Deactivate

Backticks should not be used

PythonCode Smellpython3 Deactivate

Bare "raise" statements should not be used in "finally" blocks

PythonCode Smellconfusing, error-handling, unpredictable Deactivate

Bare "raise" statements should only be used in "except" blocks

PythonCode Smellconfusing, error-handling, unpredictable Deactivate

Boolean expressions of exceptions should not be used in "except" statements

PythonBug Deactivate

Break, continue and return statements should not occur in "finally" blocks

PythonBugcwe, error-handling Deactivate

PythonCode Smellbad-practice, confusing, pitfall Deactivate

Calls should not be made to non-callable values

PythonBug Deactivate

Caught Exceptions must derive from BaseException

PythonBugpython3 Deactivate

Character classes in regular expressions should not contain the same character twice

PythonCode Smellregex Deactivate

Character classes should be preferred over reluctant quantifiers in regular expressions

PythonCode Smellregex Deactivate

PythonVulnerabilitycwe, owasp-a3, owasp-a6, owasp-m5, privacy, sans-top25-porous Deactivate

PythonVulnerabilitycwe, owasp-a6, owasp-m5 Deactivate

Class names should comply with a naming convention

PythonCode Smellconvention Deactivate

Cognitive Complexity of functions should not be too high

PythonCode Smellbrain-overload Deactivate

Collapsible "if" statements should be merged

PythonCode Smellclumsy Deactivate

PythonBug Deactivate

Comparison to None should not be constant

PythonCode Smellsuspicious Deactivate

Conditional expressions should not be nested

PythonCode Smellconfusing Deactivate

Configuring loggers is security-sensitive

PythonSecurity Hotspotcwe, owasp-a10, owasp-a3, sans-top25-porous Deactivate

Constants should not be used as conditions

PythonCode Smellsuspicious Deactivate

Cryptographic key generation should be based on strong parameters

PythonVulnerabilitycwe, owasp-a3, owasp-a6, owasp-m5, privacy Deactivate

Custom Exception classes should inherit from "Exception" or one of its subclasses

PythonCode Smell Deactivate

Delivering code in production with debug features activated is security-sensitive

DEPRECATEDPythonSecurity Hotspotcwe, owasp-a1 Deactivate

Encryption algorithms should be used with secure mode and padding scheme

PythonVulnerabilitycwe, owasp-a3, owasp-a6, owasp-m5, privacy, sans-top25-porous Deactivate

Exceptions should not be created without being raised

PythonBugerror-handling Deactivate

PythonBug Deactivate

PythonSecurity Hotspotcwe, owasp-a5, owasp-a6 Deactivate

Expressions creating dictionaries should not have duplicate keys

PythonCode Smell Deactivate

Expressions creating sets should not have duplicate values

PythonCode Smellsuspicious Deactivate

Field names should comply with a naming convention

PythonSecurity Hotspotbad-practice, cwe, owasp-a1, sans-top25-insecure, sql Deactivate

Function arguments should be passed only once

PythonBug Deactivate

Function names should comply with a naming convention

PythonCode Smellconvention Deactivate

Function parameters initial values should not be ignored

PythonBug Deactivate

Function parameters' default values should not be modified or assigned

PythonCode Smell Deactivate

Function return types should be consistent with their type hint

PythonCode Smell Deactivate

Functions and lambdas should not reference variables defined in enclosing loops

PythonCode Smellsuspicious Deactivate

Functions and methods should not be empty

PythonCode Smellsuspicious Deactivate

Functions and methods should not have identical implementations

PythonCode Smellconfusing, duplicate, suspicious Deactivate

Functions returns should not be invariant

PythonCode Smell Deactivate

Functions, methods and lambdas should not have too many parameters

PythonCode Smellbrain-overload Deactivate

Hard-coded credentials are security-sensitive

PythonSecurity Hotspotcwe, owasp-a2, sans-top25-porous Deactivate

Hashes should include an unpredictable salt

PythonVulnerabilitycwe, owasp-a3, sans-top25-porous Deactivate

Having a permissive Cross-Origin Resource Sharing policy is security-sensitive

PythonSecurity Hotspotcwe, owasp-a6, sans-top25-porous Deactivate

Identical expressions should not be used on both sides of a binary operator

PythonBug Deactivate

Identity comparisons should not be used with cached typed

PythonCode Smellsuspicious Deactivate

Identity operators should not be used with dissimilar types

PythonBug Deactivate

Implicit string and byte concatenations should not be confusing

PythonCode Smellconfusing, suspicious Deactivate

Increment and decrement operators should not be used

PythonBug Deactivate

Insecure temporary file creation methods should not be used

PythonVulnerabilitycwe, owasp-a9 Deactivate

Instance and class methods should have at least one positional parameter

PythonBug Deactivate

Item operations should be done on objects supporting them

PythonBug Deactivate

Iterable unpacking, "for-in" loops and "yield from" should use an Iterable object

PythonBug Deactivate

Jump statements should not be redundant

PythonCode Smellclumsy, redundant Deactivate

JWT should be signed and verified

PythonVulnerabilitycwe, owasp-a3, privacy Deactivate

LDAP connections should be authenticated

PythonVulnerabilitycwe, owasp-a2 Deactivate

Local variable and function parameter names should comply with a naming convention

PythonCode Smellconvention Deactivate

Loops with at most one iteration should be refactored

PythonBug Deactivate

Loops without "break" should not have "else" clauses

PythonCode Smellsuspicious Deactivate

Method names should comply with a naming convention

PythonCode Smellconvention Deactivate

Method overrides should not change contracts

PythonCode Smellsuspicious Deactivate

Methods and field names should not differ only by capitalization

PythonCode Smellconfusing Deactivate

Nested blocks of code should not be left empty

PythonCode Smellsuspicious Deactivate

New objects should not be created only to check their identity

PythonBug Deactivate

Non-empty statements should change control flow or have at least one side-effect

PythonBugcwe, unused Deactivate

Only defined names should be listed in "\_\_all\_\_"

PythonBug Deactivate

Only strings should be listed in "\_\_all\_\_"

PythonBug Deactivate

Operators should be used on compatible types

PythonBug Deactivate

Property getter, setter and deleter methods should have the expected number of parameters

PythonBug Deactivate

Raised Exceptions must derive from BaseException

PythonBugpython3 Deactivate

Recursion should not be infinite

PythonBugsuspicious Deactivate

Redundant pairs of parentheses should be removed

PythonCode Smellconfusing Deactivate

PythonBugregex Deactivate

Regex boundaries should not be used in a way that can never be matched

PythonBugregex Deactivate

Regex lookahead assertions should not be contradictory

PythonBugregex Deactivate

Regular expressions should not be too complicated

PythonCode Smellregex Deactivate

Related "if/else if" statements should not have the same condition

PythonBugpitfall, unused Deactivate

Reluctant quantifiers in regular expressions should be followed by an expression that can't match the empty string

PythonCode Smellregex Deactivate

Repeated patterns in regular expressions should not match the empty string

PythonBugregex Deactivate

Return values from functions without side effects should not be ignored

PythonBug Deactivate

Sections of code should not be commented out

PythonCode Smellunused Deactivate

Server certificates should be verified during SSL/TLS connections

PythonVulnerabilitycwe, owasp-a3, owasp-a6, owasp-m3, privacy, ssl Deactivate

Server hostnames should be verified during SSL/TLS connections

PythonVulnerabilitycwe, owasp-a3, owasp-a6, owasp-m3, privacy, ssl Deactivate

PythonSecurity Hotspotcwe, owasp-a5, sans-top25-porous Deactivate

Signalling processes is security-sensitive

PythonSecurity Hotspotcwe Deactivate

Silly equality checks should not be made

PythonBugunused Deactivate

Single-character alternations in regular expressions should be replaced with character classes

PythonCode Smellregex Deactivate

Some special methods should return "NotImplemented" instead of raising "NotImplementedError"

PythonCode Smellbad-practice, error-handling Deactivate

Special method "\_\_exit\_\_" should not re-raise the provided exception

PythonCode Smellbad-practice, error-handling Deactivate

Special methods should have an expected number of parameters

PythonBug Deactivate

String formatting should be used correctly

PythonCode Smellconfusing Deactivate

String formatting should not lead to runtime errors

PythonBug Deactivate

String literals should not be duplicated

PythonCode Smelldesign Deactivate

The "exec" statement should not be used

PythonCode Smellobsolete, python3 Deactivate

The "open" builtin function should be called with a valid mode

PythonBug Deactivate

The "print" statement should not be used

PythonCode Smellobsolete, python3 Deactivate

The first argument to class methods should follow the naming convention

PythonCode Smellconfusing, convention, pitfall Deactivate

The number and name of arguments passed to a function should match its parameters

PythonBugcwe Deactivate

PythonCode Smellcwe Deactivate

Two branches in a conditional structure should not have exactly the same implementation

PythonCode Smelldesign, suspicious Deactivate

PythonCode Smell Deactivate

Unicode Grapheme Clusters should be avoided inside regex character classes

PythonBugregex Deactivate

Unread "private" attributes should be removed

PythonCode Smellcwe, unused Deactivate

Unused assignments should be removed

PythonCode Smellcwe, unused Deactivate

Unused class-private methods should be removed

PythonCode Smellunused Deactivate

Unused local variables should be removed

PythonCode Smellunused Deactivate

PythonCode Smellunused Deactivate

Unused scope-limited definitions should be removed

PythonCode Smellunused Deactivate

PythonSecurity Hotspotcwe, owasp-a3, owasp-m3 Deactivate

Using hardcoded IP addresses is security-sensitive

PythonSecurity Hotspotowasp-a3 Deactivate

Using non-standard cryptographic algorithms is security-sensitive

PythonSecurity Hotspotcwe, owasp-a3, sans-top25-porous Deactivate

PythonSecurity Hotspotcwe, owasp-a3, owasp-m5 Deactivate

Using publicly writable directories is security-sensitive

PythonSecurity Hotspotcwe, owasp-a3, owasp-a5 Deactivate

Using shell interpreter when executing OS commands is security-sensitive

DEPRECATEDPythonSecurity Hotspotcwe, owasp-a1, sans-top25-insecure Deactivate

PythonSecurity Hotspotcwe, owasp-a3, owasp-a6, owasp-m5, sans-top25-porous, spring Deactivate

Values assigned to variables should match their type annotations

PythonCode Smell Deactivate

Variables should not be self-assigned

PythonBug Deactivate

Variables, classes and functions should be defined before being used

PythonBug Deactivate

PythonCode Smell Deactivate

PythonVulnerabilitycwe, owasp-a3, owasp-a6, owasp-m3, privacy, sans-top25-porous Deactivate

Wildcard imports should not be used

PythonCode Smellpitfall Deactivate

PythonVulnerabilitycwe, owasp-a4 Deactivate