

PEP 8 Style Guide - Bullet Point Summary

Code Layout

- Use 4 spaces per indentation level.
- Limit lines to a maximum of 79 characters.
- Separate top-level function and class definitions with two blank lines.
- Use spaces around operators and after commas, but not directly inside parentheses/brackets.

Imports

- Group imports in the order: standard libraries, third-party libraries, local modules.
- Use absolute imports when possible.
- Avoid wildcard imports (e.g., `from module import *`).

Whitespace

- Avoid extra spaces in expressions and statements.
- No space immediately inside parentheses, brackets, or braces.
- Use a single space after commas and around operators.

Naming Conventions

- Functions, variables, methods: `lower_case_with_underscores`.
- Classes: `CapitalizedWords` (PascalCase).
- Constants: `ALL_CAPS_WITH_UNDERSCORES`.
- Non-public methods/variables: use a leading underscore (`_name`).

Comments

- Use comments to explain why code does something.
- Write full sentences with proper punctuation.
- Inline comments should be separated by two spaces from the statement.

Docstrings

- Use triple double quotes (`"""`).
- First line should be a short summary.
- Add a more detailed description if needed after a blank line.

Functions and Classes

- Use two blank lines before top-level functions and classes.
- Use one blank line between methods inside a class.

Comparisons

- Use `'is'` / `'is not'` for `None` instead of `'=='` / `'!='`.
- Avoid comparing directly to `True` or `False`.

Best Practices

- Write readable and simple code.
- Avoid deeply nested code blocks.
- Follow the principle: 'Readability counts'.