

# Comments

According to PEP8: <https://www.python.org/dev/peps/pep-0008/#comments>

Comments that contradict the code are worse than no comments. Always make a priority of keeping the comments up-to-date when the code changes!

Comments should be complete sentences. The first word should be capitalized, unless it is an identifier that begins with a lower case letter (never alter the case of identifiers!).

Block comments generally consist of one or more paragraphs built out of complete sentences, with each sentence ending in a period.

You should use two spaces after a sentence-ending period in multi- sentence comments, except after the final sentence.

When writing English, follow Strunk and White.

Python coders from non-English speaking countries: please write your comments in English, unless you are 120% sure that the code will never be read by people who don't speak your language.

## Block Comments

Block comments generally apply to some (or all) code that follows them, and are indented to the same level as that code. Each line of a block comment starts with a # and a single space (unless it is indented text inside the comment).

Paragraphs inside a block comment are separated by a line containing a single #.

## Inline Comments

Use inline comments sparingly.

An inline comment is a comment on the same line as a statement. Inline comments should be separated by at least two spaces from the statement. They should start with a # and a single space.

Inline comments are unnecessary and in fact distracting if they state the obvious. Don't do this:

```
x = x + 1                # Increment x
```

But sometimes, this is useful:

```
x = x + 1                # Compensate for border
```

# Documentation Strings

Conventions for writing good documentation strings (a.k.a. "docstrings") are immortalized in [PEP 257](#).

- Write docstrings for all public modules, functions, classes, and methods. Docstrings are not necessary for non-public methods, but you should have a comment that describes what the method does. This comment should appear after the `def` line.
- [PEP 257](#) describes good docstring conventions. Note that most importantly, the `"""` that ends a multiline docstring should be on a line by itself:

```
"""Return a foobang
```

```
Optional plotz says to frobnicate the bizbaz first.  
"""
```

For one liner docstrings, please keep the closing `"""` on the same line.