

Vaishnavi. Nayak

FYIT- 54

For triple-quoted strings, always use double quote characters to be consistent with the dosstring convention in PEP 257

* Whitespace in Expressions and Statements

• Pet Peeves

Avoid extraneous whitespace in the following situations:

- Immediately inside parentheses, brackets or braces:

Correct:

spam (ham [1], {eggs: 2})

Wrong:

spam (ham [1], {eggs: 2})

- Between a trailing comma & a following close parenthesis:

Correct:

foo = (0,)

Wrong:

bar = (0,)

Vaishnavi. Nayak
FYIT-59

- Immediately before a comma, semicolon or colon:

Correct:

if $x == 4$: print (x, y) ; $x, y = y, x$

Wrong:

if $x == 4$: print (x, y) ; $x, y = y, x$

- However, in a slice the colon acts like a binary operator, and should have equal amt of either side. In an extended slice, both colons must have same amount of spacing applied. Exception: when a slice parameter is omitted, the space is omitted.

Correct:

ham [1:9], ham [1:9:3], ham [:9:3]

ham [1::3], ham [1:9:]

ham [lower:upper], ham [lower::upper:],

ham [lower::step]

ham [lower + offset : upper + offset]

ham [: upper - fn(x) : Step - fn(x)]

ham [:: Step - fn(x)]

ham [lower + offset : upper + offset]

Vaishnavi. Nayak

FYIT - 54

Wrong:

ham [lower + offset : upper + offset]
ham [1 : 9], ham [1 : 9], ham [1 : 9 : 3)
ham [lower : : upper]
ham [: upper]

- Immediately before the open parenthesis that starts the argument list of a function call:

Correct:

spam(1)

Wrong:

spam(1)

- Immediately before the open parenthesis that starts an indexing or slicing:

Correct:

dict['key'] = 1st [index]

Wrong

dict['key'] = 1st [index]

- More than one space around an assignment operator to align ~~to~~ ~~or~~ it with another:

Vaishnavi.Nayak

FYJIT - 59

Correct :

x = 1

y = 2

long_variable = 3

Wrong :

x = 1

y = 2

long_variable = 3

• Other Recommendations

- Avoid trailing whitespace anywhere. Because it's usually invisible, it can be confusing e.g. a backslash followed by a space and a newline does not count as a line continuation marker. Some editors don't preserve it and many projects have pre-commit hooks that reject it.
- Always surround these binary operators with a single space on either side: assignment (`=`), augmented assignment (`+=`, `-=`, etc), comparisons (`==`, `<`, `>`, `!=`, `<>`, `<=`, `>=`, `in`, `not in`, `is`, `is not`), Booleans (`and`, `or`, `not`)
- If operators with different priorities are used, consider adding whitespace around the operators with the lowest priority.

Vaishnavi. Nayak

FYIT - 59

Correct :

$$i = i + 1$$

Submitted $f = 1$

$$x = x^* 2 - 1$$

$$\text{hypot} 2 = x^* x + y^* y$$

$$c = (a+b)^* (a-b)$$

Wrong :

$$i = i + 1$$

Submitted $f = 1$

$$x = x^* 2 = 1$$

$$\text{hypot} 2 = x^* x + y^* y$$

$$c = (a+b)^* (a-b)$$

→ Function annotations should use the normal rules for colons and always have spaces around the → arrow if present.

Correct :

def munge (input : AnyStr) : ...

def munge () → PosInt : ...

Wrong :

def munge (input : AnyStr) : ...

def munge () → PosInt : ...