PEP 8

Introduction!

This downent give coding conventions for the Python code comprising the Bandord liberry in the main Python chetribition. Phase see the companion informational PEP discribing the quilelines for the (code in the & C implementation of Python.

This document and PEP257 (Poceting convintions) were adapted from Guido's original Python Style (mide essay, with some additions from Barry's style quide.

This style quicks wolves over time as additional conventions are identified and Past conventions are rendered obsolute by changes in the language itself.

Ham projects have their over coding style quidelines In the went of any conflicts such project - specific quicks take providered for that project.

& Fooligh Consistency is the Hobgoblin of little Minels:

One of & Grundo's key insights is that coole is read much more often than it is written. The quidelines provided # here are instructed intended to improve the read-ability of code and make it consistent across the wide sprectrum of Python code. As PEP 20 Says, "Readability counts" of tyle quick is about consistency with the style quick is important consistency within a Praject is more important. consistency within a Praject is more important.

However, know when to be inconsistent - sometimes style guide to recommendation just aren't applicable when in doubt use your best judge ment. Look at other example and decide what looks lest, And don't histlate to ask!

In Particular: do not brush backward compatibility just to comply with this PEP!

Some other good reasons to ignore a particular quideline.

- when applying the gindeline would make the code less reading code that follows this PFP.
- 2) To be consistent with surrounding code That also break it (maybe for historic reasons) although this is also an appartishing to chain up someone else's mess (in true x P style).
- 3) Because the code in question predates the introduction of the quideline and their is so no other reason to be modifying that code.
- When the code needs to remains compatible with older Verlion of Python that don't lupport the feature recommended by the style guide.

CODE Lay-out

Indutation:

USE 4 spaces per indiritation level

continuation lines should align wrapped elements ather vertically using Python's implied line joining include Parentheses, brackets and brains ar using a hanging include when using a hanging include when using a hanging include the considered, there should be no arguments on the first line and further industation should be used to clearly distinguish they as a continuation line:

Correct:

degreed with graning deterniter.

for = long_function_ name (var_one, var_two, var_thru, var_four)

ddd 4 grace (an extra level of industation) to distinguish orgunent from the rest.

def long function_ name (

var_one, var_two, var_three,

var_four):

Print (var_one)

Hanging indust should add a level.

for = long function - name (

vor - one, vor - two

vor - three, vor - four)

wrong:

digunents on first line forbidden when not using vertical alignment.

fac = long - function_ name (var - one, var - two, var - three, var four)

further indentation required as indentation is not distinguished

def long-function_name (var_one, var_two var_three, var_four); Prent (var_one)

The 4-grave rule is optional for continuation lines.

Hanging indents * may & inclinted to other 4 graces.

foo = long - function - name (Var - one, Var - two, var - there, var - four)

when the conditional part of an if-thetement is long enough to require that it be written across multiple line it was noting that the combination of a two character keyword (it is notward 4- space indust for the fullequent lines of the multiple



This can produce a visual conflict with the industed state of cocle nested inside the if statement which would also naturally be industed to 4 spaces. This PEP takes we explicitly position on how (or whether) to further visually distinguish such conditional lines from the justed lines inside the if-Italianent desyrtable options in this lituation include, but one not timeted to:

No extra indestation.

if (this_is_one thing and &
that_is_ another_bustling):
do_southing()