

# Style Grading

## (White)spaces and newlines

Offense	Pts. deducted
Keyword spaces missing or inconsistent (spaces missing after <code>for</code> , <code>while</code> , <code>if</code> , <code>return</code> etc.)	-0.25
Wrong use of spaces around operators: All binary operators have between the operator and each operand (i.e. <code>a + b</code> ). All unary operators have no space between operator and operand ( <code>!a</code> ). Exceptions: <code>,</code> ( <code>a, b</code> ), <code>.</code> ( <code>a.b</code> ) and <code>-&gt;</code> ( <code>a-&gt;b</code> ).	-0.25
Inconsistent use of spaces after type casting (i.e. <code>(int) x</code> vs <code>(int)x</code> )	-0.25
Trailing whitespace (> 2)	-0.25
Inconsistent or no use of white lines	-0.25
Inconsistent or bad use of brackets (i.e. no space/newline before <code>{</code> , mixing of spaces and newlines)	-0.25
<code>if</code> or <code>else</code> statements on a single line	-0.25

## Indentation

Indentation is inconsistent if tabs and spaces are mixed, or if the number of spaces is inconsistent.

Offense	Pts. deducted
Indentation inconsistent (1 time)	-0.25
Indentation inconsistent (> 1 time)	-0.5

## Code length

Max line length: 80 characters

Max function length: 30 lines (excluding white lines, comments, single brackets)

Offense	Pts. deducted
Line too long (> 2 times)	-0.25
Function too long	-0.25

## Comments

Offense	Pts. deducted
Broken/mixed Dutch or English in comments	-0.25
No or minimal header comments	-0.25
Undocumented functions	-0.25
Some useless comments	-0.25
A lot of useless comments	-0.5
Left TODO's, commented code or unnecessary framework code (i.e. <code>/* SOME CODE MISSING */</code> )	-0.25

## Functions and variables

Offense	Pts. deducted
Some variable names and functions are bad (i.e. non-obvious abbreviations, vague names, <code>temp1</code> , <code>temp1</code> etc.)	-0.25
A lot variable names and functions are bad	-0.5
Bad or inconsistent use of naming conventions (i.e. alternating between <code>snake_case</code> and <code>camelCase</code> , using upper case for non-constants, etc.)	-0.25
Use of unnecessary global variables	-0.5

## Code

Offense	Pts. deducted
Some inefficient or non-DRY code (i.e. unnecessary loops, no or minimal use of functions, duplicate code, etc.)	-0.25
A lot of inefficient or non-DRY code	-1
Unidiomatic code (i.e. <code>(*a).b</code> instead of <code>a-&gt;b</code> , <code>*(a + 46)</code> instead of <code>a[46]</code> , etc.)	-0.25
Code contains non-printable ASCII characters	-0.25