

Coding Style

Formatting

- Use ASCII or UTF8
- Use 2 space indent, no tabs
- Use Unix-style line endings
- If a function is more than one line, start the code on the line following the name
- All functions should have stack comments
- Try not to exceed 80 characters per line
- Avoid trailing whitespace
- Closing semicolons should not be on a separate line

Naming

- Use short names for indexes
- Vocabulary names should end with an apostrophe
- Class names should begin with a period
- Constants should be in UPPERCASE
- Use camelCase with the initial word lowercase. Keep acronyms uppercase.
- Use of dotted notation (e.g., list.size) is acceptable for functions operating on a data structure

Comments

- Comments should be enclosed in parenthesis
- Keep comments roughly aligned within a local grouping
- Avoid superfluous comments
- All functions should have stack comments
- A space should precede the closing parenthesis

Stack Comments

Stack comments in Retro are a compact form, using short codes in place of actual words. These codes are listed in the next section.

A typical comment for a function that takes two arguments and leaves one will look like:

```
( xy-z )
```

In a few cases, functions may consume or leave a variable number of arguments. In this case, we denote it like:

```
( n-n || n- )
```

There are two other modifiers in use. Some functions have different compile-time and run-time stack use. We prefix the comment with C: for compile-time, and R: for run-time actions.

If not specified, the stack comments are for runtime effects. Functions with no C: are assumed to have no stack impact during compilation.

Code	Used for
x, y, z, n	Generic numbers
q, r	Quotient, Remainder (for division)
"	Function parses for a string
q	Quote
a	Address
\$	Zero-terminated string
c	ASCII character
f	Flag
t	Type constant
...	Variable number of values on stack

Documentation

- Use reStructuredText for compatibility
- Try to keeps lines to a max of 80 characters
- Use the following section title adornment styles:

```

=====
Document Title
=====

-----
Document Subtitle, or Major Division Title
-----

Section
=====

Subsection
-----

Sub-Subsection
~::~::~::~::~

Sub-Sub-Subsection
.....

```

- Use two blank lines before each section/subsection/etc. title. One blank line is sufficient between immediately adjacent titles.
- Documentation should be released under ISC license or CC0
- For libraries: embedded documentation using **doc{** should be placed at the end of the file