



Concatenative Language Interpreter/Virtual-Machine for XCLe

NAME

cxcl - a Concatenative Language Interpreter Virtual-Machine based on the XCLe library parsing and execution capabilities.

SYNOPSIS

cxcl -h | [-L] [-l module] | -H | -H name | [options] -f file | [options] code-block ...

DESCRIPTION

cxcl provides a complete set of basic instructions, and can parse and execute OKit programs, from the command line, or with the -f option, from files.

-h --help	prints this help and returns
-v --version	prints the version of this program
-L --no-defload	do not load default primitives modules
-l --load	loads a binary primitives module
-H --prim-list	prints the list of defined primitives in loaded modules
-H <name>	prints information about the primitive
--prim-info <name>	prints information about the primitive <name>
--prim-detail	prints information about all defined primitives
-f --file	introduces a file name to be loaded

Options

A leading '-' followed by one or more characters among

c* prints 'echo' comments in read file (started by ##)

C* don't print 'echo' comments in read file

r prints error reports for each code-block

R don't print error reports

s prints all stack levels for each code-block

S prints all stack levels at the end of execution

p prints the first stack level for each code-block

P prints the first stack level at the end of execution

0 absolutely quiet execution - usefull for stack preload or verbosity reset

(*: only meaningfull when used with "-f file")

Syntax

Files must contain one code-block per line (use \ before an \n to wrap long lines).

Lines whose first character is # are comments, silently ignored, or echoed when the TWO first

characters are # and the -c flag is set.

A code-block is a space-separated list of

numbers :

+3.141526e00 / -12345

strings :

"hello world"

instructions :

<HELP> / <*>

barewords :

interpreted in order as numbers, then builtins, and strings if everything else failed

lists :

[foo bar 10 2 </>] (any of the above, separated by spaces and inside square brackets)

Primitives

To get the list of known primitives, type:

cxcl -H

For specific help about some primitive, type:

cxcl -H <primitive_name>

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