
CS 296 — Macros in CLOJURE

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Objectives

You will learn how to write a few different kinds of macros.

1. Write a function `mk-inc` that takes a function name and a delta and returns the code necessary to define the function.
2. Now write the same thing, but using `defmacro`.
3. Write a macro `pzn` that takes an expression and three cases for if the expression is positive, negative, or zero. Can you write a function that does the same thing?
4. Write a macro `with-file` that takes a file name and an expression that opens the given file and creates a variable named `the-file` with the file handle. It should catch exceptions and automatically close the file. If you want, allow the user to specify the variable name.