

A macro is an operation performed on the source code of a program before evaluation Macros exist in many languages, but are easiest to define correctly in a language like Lisp Scheme has a define-macro special form that defines a source code transformation

(define-macro (twice expr) (list 'begin expr expr)) > (twice (print 2)) > (begin (print 2) (print 2))

Evaluation procedure of a macro call expression: • Evaluate the operator sub-expression, which evaluates to a macro

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Call the macro procedure on the operand expressions without evaluating them first

• Evaluate the expression returned from the macro procedure

