

COMPILEBANG

This provides an interface to the compiler that avoids the interview for the common cases of in-core compilation. It contains a single function COMPILE!, and the Lispx and edit macros C:

(COMPILE! X NOSAVE NOREDEFINE PRINTLAP) [Function]

Calls the compiler to compile X. If X is a litatom, its definition is compiled and stored in the function cell unless NOREDEFINE, and the old definition if any is saved on the property list unless NOSAVE. No printing of lap or machine code is done unless PRINTLAP.

Thus, to simply compile the function BAR, do COMPILE!(BAR).

X may also be a list form. In this case, COMPILE! assumes that the user is interested just in seeing how that form would compile. The form is embedded in a Lambda expression and compiled. Of course, there is no function-cell to be stored into or saved.

C [Lispx Macro]

The LISPXMACRO C calls COMPILE!, with PRINTLAP on, on the next element of the input line. Thus, C BAR will compile, redefine, and save the old definition for BAR.

C (CONS) will show how a call to CONS would compile.

The editmacro C calls COMPILE! on the current expression if it is a list, or on the form of which the current expression is an element.