

A feature to report any failure to conform to ISO C might be useful in some instances, but would require considerable additional work and would be quite different from ‘-Wpedantic’. We don’t have plans to support such a feature in the near future.

Where the standard specified with ‘-std’ represents a GNU extended dialect of C, such as ‘gnu90’ or ‘gnu99’, there is a corresponding *base standard*, the version of ISO C on which the GNU extended dialect is based. Warnings from ‘-Wpedantic’ are given where they are required by the base standard. (It does not make sense for such warnings to be given only for features not in the specified GNU C dialect, since by definition the GNU dialects of C include all features the compiler supports with the given option, and there would be nothing to warn about.)

-pedantic-errors

Give an error whenever the *base standard* (see ‘-Wpedantic’) requires a diagnostic, in some cases where there is undefined behavior at compile-time and in some other cases that do not prevent compilation of programs that are valid according to the standard. This is not equivalent to ‘-Werror=pedantic’, since there are errors enabled by this option and not enabled by the latter and vice versa.

-Wall

This enables all the warnings about constructions that some users consider questionable, and that are easy to avoid (or modify to prevent the warning), even in conjunction with macros. This also enables some language-specific warnings described in [Section 3.5 \[C++ Dialect Options\]](#), page 42 and [Section 3.6 \[Objective-C and Objective-C++ Dialect Options\]](#), page 55.

‘-Wall’ turns on the following warning flags:

Option	Notes
‘-Waddress’	
‘-Warray-bounds=1’	Only with ‘-O2’.
‘-Wbool-compare’	
‘-Wlogical-not-parentheses’	
‘-Wmaybe-uninitialized’	
‘-Wbool-operation’	
‘-Wc++11-compat’	
‘-Wc++14-compat’	
‘-Wcatch-value’	See Section 3.5 [Options Controlling C++ Dialect] , page 42.
‘-Wchar-subscripts’	
‘-Wclass-memaccess’	See Section 3.5 [Options Controlling C++ Dialect] , page 42.
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