| | |
|---|---|
| *additional macros in* `<limits.h>` *header* | In C99, the `<limits.h>` header contains three new macros that describe the characteristics of the `long long int` types. |
| `math_errhandling` *macro* | C99 gives implementations a choice of how to inform a program that an error has occurred in a mathematical function: via a value stored in `errno`, via a floating-point exception, or both. The value of the `math_errhandling` macro (defined in `<math.h>`) indicates how errors are signaled by a particular implementation. |
| *additional functions in* `<math.h>` *header* | C99 adds two new versions of most `<math.h>` functions, one for `float` and one for `long double`. C99 also adds a number of completely new functions and function-like macros to `<math.h>`. |

## 24  Error Handling

| | |
|---|---|
| `EILSEQ` *macro* | C99 adds the `EILSEQ` macro to the `<errno.h>` header. |

## 25  International Features

| | |
|---|---|
| *digraphs* | Digraphs, which are two-character symbols that can be used as substitutes for the `[`, `]`. `{`, `}`. `#`, and `##` tokens, are new in C99. (Amendment 1) |
| `<iso646.h>` *header* | The `<iso646.h>` header, which defines macros that represent operators containing the characters `&`. `|`. `~`, `!`, and `^`. is new in C99. (Amendment 1) |
| *universal character names* | Universal character names, which provide a way to embed UCS characters in the source code of a program, are new in C99. |
| `<wchar.h>` *header* | The `<wchar.h>` header. which provides functions for wide-character input/output and wide string manipulation, is new in C99. (Amendment 1) |
| `<wctype.h>` *header* | The `<wctype.h>` header. the wide-character version of `<ctype.h>`, is new in C99. `<wctype.h>` provides functions for classifying and changing the case of wide characters. (Amendment 1) |

## 26  Miscellaneous Library Functions

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|---|---|
| `va_copy` *macro* | C99 adds a function-like macro named `va_copy` to the `<stdarg.h>` header. |
| *additional functions in* `<stdio.h>` *header* | C99 adds the `vsnprintf`, `vfscanf`, `vscanf`. and `vsscanf` functions to the `<stdio.h>` header. |
| *additional functions in* `<stdlib.h>` *header* | C99 adds five numeric conversion functions. the `_Exit` function, and `long long` versions of the `abs` and `div` functions to the `<stdlib.h>` header. |
| *additional* `strftime` *conversion specifiers* | C99 adds a number of new `strftime` conversion specifiers. It also allows the use of an E or O character to modify the meaning of certain conversion specifiers. |