NAME

ecvt_r, fcvt_r, qecvt_r, qfcvt_r – convert a floating-point number to a string

SYNOPSIS

#include <stdlib.h>

int ecvt_r(double *number*, **int** *ndigits*, **int** **decpt*,
  int **sign*, **char** **buf*, **size_t** *len*);

int fcvt_r(double *number*, **int** *ndigits*, **int** **decpt*,
  int **sign*, **char** **buf*, **size_t** *len*);

int qecvt_r(long double *number*, **int** *ndigits*, **int** **decpt*,
  int **sign*, **char** **buf*, **size_t** *len*);

int qfcvt_r(long double *number*, **int** *ndigits*, **int** **decpt*,
  int **sign*, **char** **buf*, **size_t** *len*);

Feature Test Macro Requirements for glibc (see **feature_test_macros**(7)):

ecvt_r(), **fcvt_r**(), **qecvt_r**(), **qfcvt_r**():
  /* Glibc since 2.19: */ _DEFAULT_SOURCE
   || /* Glibc versions <= 2.19: */ _SVID_SOURCE || _BSD_SOURCE

DESCRIPTION

The functions **ecvt_r**(), **fcvt_r**(), **qecvt_r**(), and **qfcvt_r**() are identical to **ecvt**(3), **fcvt**(3), **qecvt**(3), and **qfcvt**(3), respectively, except that they do not return their result in a static buffer, but instead use the supplied *buf* of size *len*. See **ecvt**(3) and **qecvt**(3).

RETURN VALUE

These functions return 0 on success, and −1 otherwise.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes**(7).

Interface	Attribute	Value
ecvt_r(), **fcvt_r**(), **qecvt_r**(), **qfcvt_r**()	Thread safety	MT-Safe

CONFORMING TO

These functions are GNU extensions.

NOTES

These functions are obsolete. Instead, **sprintf**(3) is recommended.

SEE ALSO

ecvt(3), **qecvt**(3), **sprintf**(3)

COLOPHON

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