

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():  
_SVID_SOURCE || _BSD_SOURCE || _XOPEN_SOURCE >= 500
```

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.

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

This page is part of release 3.74 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <http://www.kernel.org/doc/man-pages/>.