NAME

ecvt, fcvt - convert a floating-point number to a string

SYNOPSIS

DESCRIPTION

The **ecvt**() function converts *number* to a null-terminated string of *ndigits* digits (where *ndigits* is reduced to a system-specific limit determined by the precision of a *double*), and returns a pointer to the string. The high-order digit is nonzero, unless *number* is zero. The low order digit is rounded. The string itself does not contain a decimal point; however, the position of the decimal point relative to the start of the string is stored in **decpt*. A negative value for **decpt* means that the decimal point is to the left of the start of the string. If the sign of *number* is negative, **sign* is set to a nonzero value, otherwise it is set to 0. If *number* is zero, it is unspecified whether **decpt* is 0 or 1.

The **fcvt**() function is identical to **ecvt**(), except that *ndigits* specifies the number of digits after the decimal point.

RETURN VALUE

Both the **ecvt**() and **fcvt**() functions return a pointer to a static string containing the ASCII representation of *number*. The static string is overwritten by each call to **ecvt**() or **fcvt**().

ATTRIBUTES

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

Interface	Attribute	Value
ecvt()	Thread safety	MT-Unsafe race:ecvt
fcvt()	Thread safety	MT-Unsafe race:fcvt

CONFORMING TO

SVr2; marked as LEGACY in POSIX.1-2001. POSIX.1-2008 removes the specifications of **ecvt**() and **fcvt**(), recommending the use of **sprintf**(3) instead (though **snprintf**(3) may be preferable).

NOTES

Not all locales use a point as the radix character ("decimal point").

SEE ALSO

```
ecvt_r(3), gcvt(3), qecvt(3), setlocale(3), sprintf(3)
```

COLOPHON

This page is part of release 5.02 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 https://www.kernel.org/doc/man-pages/.

2016-03-15