Red Hat Enterprise Linux Release 9.2 Manual Pages on 'towlower.3' command

$ man towlower.3

TOWLOWER(3)   Linux Programmer's Manual   TOWLOWER(3)

NAME

    towlower, towlower_l - convert a wide character to lowercase

SYNOPSIS

    #include <wctype.h>

    wint_t towlower(wint_t wc);

    wint_t towlower_l(wint_t wc, locale_t locale);

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

    towlower_l():

      Since glibc 2.10:

        _XOPEN_SOURCE >= 700

      Before glibc 2.10:

        _GNU_SOURCE

DESCRIPTION

    The towlower() function is the wide-character equivalent of the

    tolower(3) function. If wc is an uppercase wide character, and there

    exists a lowercase equivalent in the current locale, it returns the

    lowercase equivalent of wc. In all other cases, wc is returned un‐

    changed.

    The towlower_l() function performs the same task, but performs the con‐

    version based on the character type information in the locale specified

    by locale. The behavior of towlower_l() is undefined if locale is the

    special locale object LC_GLOBAL_LOCALE (see duplocale(3)) or is not a

valid locale object handle.

The argument wc must be representable as a wchar_t and be a valid char?

acter in the locale or be the value WEOF.

RETURN VALUE

If wc was convertible to lowercase, towlower() returns its lowercase

equivalent; otherwise it returns wc.

VERSIONS

The towlower_l() function first appeared in glibc 2.3.

ATTRIBUTES

For an explanation of the terms used in this section, see at?

tributes(7).

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?Interface   ? Attribute   ? Value   ?

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?towlower()   ? Thread safety ? MT-Safe locale ?

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?towlower_l() ? Thread safety ? MT-Safe   ?

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CONFORMING TO

towlower(): C99, POSIX.1-2001 (XSI); present as an XSI extension in

POSIX.1-2008, but marked obsolete.

towlower_l(): POSIX.1-2008.

NOTES

The behavior of these functions depends on the LC_CTYPE category of the

locale.

These functions are not very appropriate for dealing with Unicode char?

acters, because Unicode knows about three cases: upper, lower and title

case.

SEE ALSO

iswlower(3), towctrans(3), towupper(3), locale(7)

COLOPHON

This page is part of release 5.10 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/.