## Rocky Enterprise Linux 9.2 Manual Pages on command 'towlower_l.3'

*$ man towlower_l.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 conversion 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 du?

    plocale(3)) or is not a valid locale object handle.

    The  argument wc must be representable as a wchar_t and be a valid character 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 attributes(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 characters, because Uni?
code 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/.

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