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Rocky Enterprise Linux 9.2 Manual Pages on command 'tolower.3'

\$ man tolower.3

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

NAME

tolower, tolower_l - convert a wide character to lowercase

SYNOPSIS

```
#include <wctype.h>

wint_t tolower(wint_t wc);

wint_t tolower_l(wint_t wc, locale_t locale);
```

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

tolower_l():

Since glibc 2.10:

```
_XOPEN_SOURCE >= 700
```

Before glibc 2.10:

```
_GNU_SOURCE
```

DESCRIPTION

The `tolower()` 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 unchanged.

The `tolower_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 `tolower_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 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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?tolower() ? Thread safety ? MT-Safe locale ?

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

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CONFORMING TO

tolower(): C99, POSIX.1-2001 (XSI); present as an XSI extension in POSIX.1-2008, but marked obsolete.

tolower_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 Unicode 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/>.