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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'tolower.3p' command***

***\$ man tolower.3p***

TOWLOWER(3P)            POSIX Programmer's Manual            TOWLOWER(3P)

### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

### NAME

`tolower`, `tolower_l` ? transliterate uppercase wide-character code to lowercase

### SYNOPSIS

```
#include <wctype.h>

wint_t tolower(wint_t wc);

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

### DESCRIPTION

For `tolower()`: The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The `tolower()` and `tolower_l()` functions have as a domain a type `wint_t`, the value of which the application shall ensure is a character representable as a `wchar_t`, and a wide-character code corresponding to a valid character in the locale used by the function or the value of `WEOF`. If the argument has any other value, the behavior is undefined.

If the argument of `towlower()` or `towlower_l()` represents an uppercase wide-character code, and there exists a corresponding lowercase wide-character code as defined by character type information in the current locale or in the locale represented by `locale`, respectively (category `LC_CTYPE`), the result shall be the corresponding lowercase wide-character code. All other arguments in the domain are returned unchanged. The behavior is undefined if the locale argument to `towlower_l()` is the special locale object `LC_GLOBAL_LOCALE` or is not a valid locale object handle.

## RETURN VALUE

Upon successful completion, the `towlower()` and `towlower_l()` functions shall return the lowercase letter corresponding to the argument passed; otherwise, they shall return the argument unchanged.

## ERRORS

No errors are defined.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

None.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`setlocale()`, `uselocale()`

The Base Definitions volume of POSIX.1-2017, Chapter 7, Locale, `<locale.h>`, `<wctype.h>`

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