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

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

TOLOWER(3P)            POSIX Programmer's Manual            TOLOWER(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 characters to lowercase

### SYNOPSIS

```
#include <ctype.h>

int tolower(int c);

int tolower_l(int c, 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 int, the value of which is representable as an unsigned char or the value of EOF. If the argument has any other value, the behavior is undefined. If the argument of tolower() or tolower\_l() represents an uppercase letter, and there exists a corresponding lowercase letter as defined by character type information in the current locale or in the locale rep?

resented by locale, respectively (category LC\_CTYPE), the result shall be the corresponding lowercase letter. All other arguments in the do? main are returned unchanged.

The behavior is undefined if the locale argument to tolower\_l() is the special locale object LC\_GLOBAL\_LOCALE or is not a valid locale object handle.

## RETURN VALUE

Upon successful completion, the tolower() and tolower\_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, <ctype.h>, <locale.h>

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