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

**\$ man toupper.3p**

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

toupper, toupper\_l ? transliterate lowercase characters to uppercase

### SYNOPSIS

```
#include <ctype.h>

int toupper(int c);

int toupper_l(int c, locale_t locale);
```

### DESCRIPTION

For toupper(): 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 toupper() and toupper\_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 toupper() or toupper\_l() represents a lowercase letter, and there exists a corresponding uppercase 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 uppercase letter.

All other arguments in the domain are returned unchanged.

The behavior is undefined if the locale argument to `toupper_l()` is the special locale object `LC_GLOBAL_LOCALE` or is not a valid locale object handle.

## RETURN VALUE

Upon successful completion, `toupper()` and `toupper_l()` shall return the uppercase 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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2017

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