NAME

toupper, **toupper_l** - lower case to upper case letter conversion

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <ctype.h>

int
toupper(*int c*);

int
toupper_l(*int c*, *locale_t loc*);

DESCRIPTION

The **toupper**() and **toupper_l**() functions convert a lower-case letter to the corresponding upper-case letter. The argument must be representable as an *unsigned char* or the value of EOF.

The **toupper_l**() function takes an explicit locale argument, whereas the **toupper**() function uses the current global or per-thread locale.

RETURN VALUES

If the argument is a lower-case letter, the **toupper**() and **toupper_l**() functions return the corresponding upper-case letter if there is one; otherwise, the argument is returned unchanged.

COMPATIBILITY

The 4.4BSD extension of accepting arguments outside of the range of the *unsigned char* type in locales with large character sets is considered obsolete and may not be supported in future releases. The **towupper**() or **towupper_l**() function should be used instead.

SEE ALSO

ctype(3), ctype_l(3), isupper(3), isupper_l(3), towupper(3), towupper_l(3), xlocale(3)

STANDARDS

The **toupper**() function conforms to ISO/IEC 9899:1990 ("ISO C90").