

NAME

tolower, **tolower_l** - upper case to lower case letter conversion

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

```
#include <ctype.h>
```

int

```
tolower(int c);
```

int

```
tolower_l(int c, locale_t loc);
```

DESCRIPTION

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

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

RETURN VALUES

If the argument is an upper-case letter, the **tolower()** and **tolower_l()** functions return the corresponding lower-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 **tolower()** or **tolower_l()** function should be used instead.

SEE ALSO

ctype(3), ctype_l(3), islower(3), islower_l(3), tolower(3), tolower_l(3), xlocale(3)

STANDARDS

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