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Rocky Enterprise Linux 9.2 Manual Pages on command 'mblen.3'

$ man mblen.3

MBLEN(3)   Linux Programmer's Manual   MBLEN(3)

NAME

mblen - determine number of bytes in next multibyte character

SYNOPSIS

#include <stdlib.h>

int mblen(const char *s, size_t n);

DESCRIPTION

If s is not NULL, the mblen() function inspects at most n bytes of the

multibyte string starting at s and extracts the next complete multibyte

character.   It uses a static anonymous shift state known only to the

mblen() function. If the multibyte character is not the null wide

character, it returns the number of bytes that were consumed from s.

If the multibyte character is the null wide character, it returns 0.

If the n bytes starting at s do not contain a complete multibyte char‐

acter, mblen() returns -1. This can happen even if n is greater than

or equal to MB_CUR_MAX, if the multibyte string contains redundant

shift sequences.

If the multibyte string starting at s contains an invalid multibyte se‐

quence before the next complete character, mblen() also returns -1.

If s is NULL, the mblen() function resets the shift state, known to only this function, to the initial state, and returns nonzero if the encoding has nontrivial shift state, or zero if the encoding is state? less.

RETURN VALUE

The mblen() function returns the number of bytes parsed from the multi? byte sequence starting at s, if a non-null wide character was recog? nized.   It returns 0, if a null wide character was recognized. It re? turns -1, if an invalid multibyte sequence was encountered or if it couldn't parse a complete multibyte character.

ATTRIBUTES

For an explanation of the terms used in this section, see at? tributes(7).

???

?Interface ? Attribute   ? Value   ?

???

?mblen()   ? Thread safety ? MT-Unsafe race ?

???

CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C99.

NOTES

The behavior of mblen() depends on the LC_CTYPE category of the current locale.

The function mbrlen(3) provides a better interface to the same func? tionality.

SEE ALSO

mbrlen(3)

COLOPHON

This page is part of release 5.10 of the Linux man-pages project.   A description of the project, information about reporting bugs, and the latest   version   of   this   page,   can   be   found   at https://www.kernel.org/doc/man-pages/.