NAME
       wcstok - split wide-character string into tokens

SYNOPSIS
       #include <wchar.h>

       wchar_t *wcstok(wchar_t *_wcs_**, const wchar_t ***_delim_**, wchar_t **** _ptr_**);**

DESCRIPTION
       The **wcstok**() function is the wide-character equivalent of the strtok(3) function, with an added argument to
       make it multithread-safe. It can be used to split a wide-character string _wcs_ into tokens, where a token is
       defined as a substring not containing any wide-characters from _delim_.

       The search starts at _wcs_, if _wcs_ is not NULL, or at _*ptr_, if _wcs_ is NULL. First, any delimiter wide-charac-
       ters are skipped, that is, the pointer is advanced beyond any wide-characters which occur in _delim_. If the
       end of the wide-character string is now reached, **wcstok**() returns NULL, to indicate that no tokens were
       found, and stores an appropriate value in _*ptr_, so that subsequent calls to **wcstok**() will continue to return
       NULL. Otherwise, the **wcstok**() function recognizes the beginning of a token and returns a pointer to it,
       but before doing that, it zero-terminates the token by replacing the next wide-character which occurs in
       delim with a null wide character (L'\0'), and it updates _*ptr_ so that subsequent calls will continue searching
       after the end of recognized token.

RETURN VALUE
       The **wcstok**() function returns a pointer to the next token, or NULL if no further token was found.

ATTRIBUTES
       For an explanation of the terms used in this section, see attributes(7).

Interface	Attribute	Value
wcstok()	Thread safety	MT-Safe

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

NOTES
       The original _wcs_ wide-character string is destructively modified during the operation.

EXAMPLE
       The following code loops over the tokens contained in a wide-character string.

       ```
       wchar_t *wcs = ...;
       wchar_t *token;
       wchar_t *state;
       for (token = wcstok(wcs, " \t\n", &state);
       token != NULL;
       token = wcstok(NULL, " \t\n", &state)) {
       }
       ```

SEE ALSO
       strtok(3), wcschr(3)

COLOPHON
       This page is part of release 4.10 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/.