

NAME

wcsncmp - compare two fixed-size wide-character strings

SYNOPSIS

```
#include <wchar.h>
```

```
int wcsncmp(const wchar_t *s1, const wchar_t *s2, size_t n);
```

DESCRIPTION

The **wcsncmp()** function is the wide-character equivalent of the [strncmp\(3\)](#) function. It compares the wide-character string pointed to by *s1* and the wide-character string pointed to by *s2*, but at most *n* wide characters from each string. In each string, the comparison extends only up to the first occurrence of a null wide character (L'\0'), if any.

RETURN VALUE

The **wcsncmp()** function returns zero if the wide-character strings at *s1* and *s2*, truncated to at most length *n*, are equal. It returns an integer greater than zero if at the first differing position *i* ($i < n$), the corresponding wide-character *s1[i]* is greater than *s2[i]*. It returns an integer less than zero if at the first differing position *i* ($i < n$), the corresponding wide-character *s1[i]* is less than *s2[i]*.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

Interface	Attribute	Value
wcsncmp()	Thread safety	MT-Safe

CONFORMING TO

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

SEE ALSO

[strncmp\(3\)](#), [wcsncasecmp\(3\)](#)

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/>.