

**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**

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