

**NAME**

wmemcmp - compare two arrays of wide-characters

**SYNOPSIS**

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

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

**DESCRIPTION**

The **wmemcmp()** function is the wide-character equivalent of the [memcmp\(3\)](#) function. It compares the  $n$  wide-characters starting at  $s1$  and the  $n$  wide-characters starting at  $s2$ .

**RETURN VALUE**

The **wmemcmp()** function returns zero if the wide-character arrays of size  $n$  at  $s1$  and  $s2$  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
wmemcmp()	Thread safety	MT-Safe

**CONFORMING TO**

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

**SEE ALSO**

[memcmp\(3\)](#), [wcscmp\(3\)](#)

**COLOPHON**

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