

**NAME**

wmemcmp – compare two arrays of wide-characters

**LIBRARY**

Standard C library (*libc*, *-lc*)

**SYNOPSIS**

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

```
int wmemcmp(const wchar_t s1[.n], const wchar_t s2[.n], 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
<b>wmemcmp()</b>	Thread safety	MT-Safe

**STANDARDS**

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

**SEE ALSO**

**memcmp(3)**, **wscmp(3)**