

**NAME**

**wmemchr**, **wmemcmp**, **wmemcpy**, **wmemmove**, **wmemcpy**, **wmemset**, **wcpcpy**, **wcpncpy**, **wscasecmp**, **wscat**, **wcschr**, **wscmp**, **wscopy**, **wscspn**, **wcsdup**, **wslcat**, **wslcpy**, **wslen**, **wscncasecmp**, **wscncat**, **wscncmp**, **wscncpy**, **wscnlen**, **wcspbrk**, **wcsrchr**, **wcsspn**, **wcsstr** - wide character string manipulation operations

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

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

```
wchar_t *
```

```
wmemchr(const wchar_t *s, wchar_t c, size_t n);
```

```
int
```

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

```
wchar_t *
```

```
wmemcpy(wchar_t * restrict s1, const wchar_t * restrict s2, size_t n);
```

```
wchar_t *
```

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

```
wchar_t *
```

```
wmemcpy(wchar_t * restrict s1, const wchar_t * restrict s2, size_t n);
```

```
wchar_t *
```

```
wmemset(wchar_t *s, wchar_t c, size_t n);
```

```
wchar_t *
```

```
wcpcpy(wchar_t *s1, wchar_t *s2);
```

```
wchar_t *
```

```
wcpncpy(wchar_t *s1, wchar_t *s2, size_t n);
```

```
int
```

```
wscasecmp(const wchar_t *s1, const wchar_t *s2);
```

```
wchar_t *
```

**wscat**(*wchar\_t* \* restrict *s1*, const *wchar\_t* \* restrict *s2*);

*wchar\_t* \*

**wchr**(const *wchar\_t* \**s*, *wchar\_t* *c*);

*int*

**wscmp**(const *wchar\_t* \**s1*, const *wchar\_t* \**s2*);

*wchar\_t* \*

**wscpy**(*wchar\_t* \* restrict *s1*, const *wchar\_t* \* restrict *s2*);

*size\_t*

**wscspn**(const *wchar\_t* \**s1*, const *wchar\_t* \**s2*);

*wchar\_t* \*

**wcscdup**(const *wchar\_t* \**s*);

*size\_t*

**wcslcat**(*wchar\_t* \**s1*, const *wchar\_t* \**s2*, *size\_t* *n*);

*size\_t*

**wcslcpy**(*wchar\_t* \**s1*, const *wchar\_t* \**s2*, *size\_t* *n*);

*size\_t*

**wcslen**(const *wchar\_t* \**s*);

*int*

**wcncasecmp**(const *wchar\_t* \**s1*, const *wchar\_t* \**s2*, *size\_t* *n*);

*wchar\_t* \*

**wcncat**(*wchar\_t* \* restrict *s1*, const *wchar\_t* \* restrict *s2*, *size\_t* *n*);

*int*

**wcncmp**(const *wchar\_t* \**s1*, const *wchar\_t* \* *s2*, *size\_t* *n*);

*wchar\_t* \*

**wcncpy**(*wchar\_t* \* restrict *s1*, const *wchar\_t* \* restrict *s2*, *size\_t* *n*);

*size\_t*

**wcslen**(const *wchar\_t* \**s*, *size\_t* *maxlen*);

*wchar\_t* \*

**wcspbrk**(*const wchar\_t \*s1, const wchar\_t \*s2*);

*wchar\_t* \*

**wcsrchr**(*const wchar\_t \*s, wchar\_t c*);

*size\_t*

**wcsspn**(*const wchar\_t \*s1, const wchar\_t \*s2*);

*wchar\_t* \*

**wcsstr**(*const wchar\_t \* restrict s1, const wchar\_t \* restrict s2*);

## DESCRIPTION

The functions implement string manipulation operations over wide character strings. For a detailed description, refer to documents for the respective single-byte counterpart, such as `memchr(3)`.

## SEE ALSO

`memchr(3)`, `memcmp(3)`, `memcpy(3)`, `memmove(3)`, `memset(3)`, `stpcpy(3)`, `stpncpy(3)`, `strcasemp(3)`, `strcat(3)`, `strchr(3)`, `strcmp(3)`, `strcpy(3)`, `strcspn(3)`, `strdup(3)`, `strlcat(3)`, `strncpy(3)`, `strlen(3)`, `strncat(3)`, `strncmp(3)`, `strncpy(3)`, `strnlen(3)`, `strpbrk(3)`, `strrchr(3)`, `strspn(3)`, `strstr(3)`

## STANDARDS

These functions conform to ISO/IEC 9899:1999 ("ISO C99"), with the exception of **wcpcpy()**, **wcpncpy()**, **wscasemp()**, **wcsdup()**, **wcsncasemp()**, and **wcsnlen()**, which conform to IEEE Std 1003.1-2008 ("POSIX.1"); and **wslcat()**, **wslcpy()**, and **wmempcpy()**, which are extensions.