

**NAME****memchr** - locate byte in byte string**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

#include &lt;string.h&gt;

```
void *
memchr(const void *b, int c, size_t len);

void *
memrchr(const void *b, int c, size_t len);
```

**DESCRIPTION**

The **memchr()** function locates the first occurrence of *c* (converted to an *unsigned char*) in string *b*.

The **memrchr()** function behaves like **memchr()**, except that it locates the last occurrence of *c* in string *b*.

**RETURN VALUES**

The **memchr()** and **memrchr()** functions return a pointer to the byte located, or NULL if no such byte exists within *len* bytes.

**SEE ALSO**

memmem(3), strchr(3), strcspn(3), strpbrk(3), strrchr(3), strsep(3), strspn(3), strstr(3), strtok(3), wmemchr(3)

**STANDARDS**

The **memchr()** function conforms to ISO/IEC 9899:1990 ("ISO C90").

The **memrchr()** function is a GNU extension and conforms to no standard.

**HISTORY**

The **memrchr()** function first appeared in GNU libc 2.1.91, this implementation first appeared in FreeBSD 6.4, coming from OpenBSD 4.3.