



Linux Ubuntu 26.04 Manual Pages on command 'memchr.3'

\$ man memchr.3

memchr(3) Library Functions Manual memchr(3)

NAME

memchr, memrchr, rawmemchr - scan memory for a character

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <string.h>
```

```
void *memchr(size_t n;
```

```
    const void s[n], int c, size_t n);
```

```
void *memrchr(size_t n;
```

```
    const void s[n], int c, size_t n);
```

```
[[deprecated]] void *rawmemchr(const void *s, int c);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

memrchr(), rawmemchr():

_GNU_SOURCE

DESCRIPTION

The `memchr()` function scans the initial `n` bytes of the memory area pointed to by `s` for the first instance of `c`. Both `c` and the bytes of the memory area pointed to by `s` are interpreted as unsigned char.

The `memrchr()` function is like the `memchr()` function, except that it searches backward from the end of the `n` bytes pointed to by `s` instead of forward from the beginning.

The `rawmemchr()` function is similar to `memchr()`, but it assumes (i.e., the programmer knows for certain) that an instance of `c` lies somewhere in the memory area starting at the location

ther `strlen(3)` or `memchr(3)` instead.

The `memchr()` and `memrchr()` functions return a pointer to the matching byte or `NULL` if the character does not occur in the given memory area.

For an explanation of the terms used in this section, see `attributes(7)`.

?	Interface	?	Attribute	?	Value	?
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? memchr(), memrchr(), rawmemchr()	? Thread safety ? MT-Safe ?
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memchr()

C11, POSIX.1-2008.

memrchr()

rawmemchr()

GNU.

memchr()

POSIX.1-2001, C89, SVr4, 4.3BSD.

memrchr()

glibc 2.2.

rawmemchr()

glibc 2.1.

```
bstring(3), ffs(3), memmem(3), strchr(3), strpbrk(3), strrchr(3), strsep(3), strspn(3),  
strstr(3), wmemchr(3)
```