Rocky Enterprise Linux 9.2 Manual Pages on command 'rawmemchr.3'

$ man rawmemchr.3

MEMCHR(3)   Linux Programmer's Manual   MEMCHR(3)

NAME

   memchr, memrchr, rawmemchr - scan memory for a character

SYNOPSIS

   #include <string.h>

   void *memchr(const void *s, int c, size_t n);

   void *memrchr(const void *s, int c, size_t n);

   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 inter?

   preted 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(): it assumes (i.e., the programmer knows

   for certain) that an instance of c lies somewhere in the memory area starting at the loca?

   tion pointed to by s, and so performs an optimized search for c (i.e., no use of a count

   argument to limit the range of the search). If an instance of c is not found, the results

   are unpredictable. The following call is a fast means of locating a string's terminating

   null byte:

     char *p = rawmemchr(s, '\0');

RETURN VALUE

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.

The rawmemchr() function returns a pointer to the matching byte, if one is found.   If no

matching byte is found, the result is unspecified.

VERSIONS

rawmemchr() first appeared in glibc in version 2.1.

memrchr() first appeared in glibc in version 2.2.

ATTRIBUTES

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

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

memchr(): POSIX.1-2001, POSIX.1-2008, C89, C99, SVr4, 4.3BSD.

The memrchr() function is a GNU extension, available since glibc 2.1.91.

The rawmemchr() function is a GNU extension, available since glibc 2.1.

SEE ALSO

bstring(3), ffs(3), index(3), memmem(3), rindex(3), strchr(3), strpbrk(3), strrchr(3),

strsep(3), strspn(3), strstr(3), wmemchr(3)

COLOPHON

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