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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'memchr.3p' command

\$ man memchr.3p

MEMCHR(3P) POSIX Programmer's Manual MEMCHR(3P)

PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

NAME

memchr ? find byte in memory

SYNOPSIS

```
#include <string.h>

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

DESCRIPTION

The functionality described on this reference page is aligned with the ISO C standard. Any conflict between the requirements described here and the ISO C standard is unintentional. This volume of POSIX.1?2017 defers to the ISO C standard.

The memchr() function shall locate the first occurrence of c (converted to an unsigned char) in the initial n bytes (each interpreted as un? signed char) pointed to by s.

Implementations shall behave as if they read the memory byte by byte from the beginning of the bytes pointed to by s and stop at the first occurrence of c (if it is found in the initial n bytes).

RETURN VALUE

The `memchr()` function shall return a pointer to the located byte, or a null pointer if the byte is not found.

ERRORS

No errors are defined.

The following sections are informative.

EXAMPLES

None.

APPLICATION USAGE

None.

RATIONALE

None.

FUTURE DIRECTIONS

None.

SEE ALSO

The Base Definitions volume of POSIX.1-2017, `<string.h>`

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