



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

C:\>man fwrite.3

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

NAME

fread, fwrite - binary stream input/output

SYNOPSIS

```
#include <stdio.h>

size_t fread(void *ptr, size_t size, size_t nmemb, FILE *stream);

size_t fwrite(const void *ptr, size_t size, size_t nmemb,
              FILE *stream);
```

DESCRIPTION

The function `fread()` reads `nmemb` items of data, each `size` bytes long, from the stream pointed to by `stream`, storing them at the location given by `ptr`.

The function `fwrite()` writes `nmemb` items of data, each `size` bytes long, to the stream pointed to by `stream`, obtaining them from the location given by `ptr`.

For nonlocking counterparts, see `unlocked_stdio(3)`.

RETURN VALUE

On success, `fread()` and `fwrite()` return the number of items read or written. This number equals the number of bytes transferred only when `size` is 1. If an error occurs, or the end of the file is reached, the return value is a short item count (or zero).

`fread()` does not distinguish between end-of-file and error, and callers must use `feof(3)` and `ferror(3)` to determine which occurred.

ATTRIBUTES

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

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?Interface ? Attribute ? Value ?

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?fread(), fwrite() ? Thread safety ? MT-Safe ?

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CONFORMING TO

POSIX.1-2001, POSIX.1-2008, C89.

SEE ALSO

read(2), write(2), feof(3), ferror(3), unlocked_stdio(3)

COLOPHON

This page is part of release 5.05 of the Linux man-pages project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.