NAME

fclose - close a stream

SYNOPSIS

#include <stdio.h>

int fclose(FILE *_fp_);

DESCRIPTION

The **fclose**() function flushes the stream pointed to by *fp* (writing any buffered output data using fflush(3)) and closes the underlying file descriptor.

The behaviour of **fclose**() is undefined if the *stream* parameter is an illegal pointer, or is a descriptor already passed to a previous invocation of **fclose**().

RETURN VALUE

Upon successful completion 0 is returned. Otherwise, **EOF** is returned and *errno* is set to indicate the error. In either case any further access (including another call to **fclose**()) to the stream results in undefined behavior.

ERRORS

EBADF

The file descriptor underlying *fp* is not valid.

The **fclose**() function may also fail and set *errno* for any of the errors specified for the routines close(2), write(2) or fflush(3).

CONFORMING TO

C89, C99.

NOTES

Note that **fclose**() only flushes the user-space buffers provided by the C library. To ensure that the data is physically stored on disk the kernel buffers must be flushed too, for example, with sync(2) or fsync(2).

SEE ALSO

close(2), fcloseall(3), fflush(3), fopen(3), setbuf(3)

COLOPHON

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