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

\$ man fileno.3

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

NAME

clearerr, feof, ferror, fileno - check and reset stream status

SYNOPSIS

```
#include <stdio.h>

void clearerr(FILE *stream);

int feof(FILE *stream);

int ferror(FILE *stream);

int fileno(FILE *stream);
```

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

```
fileno(): _POSIX_C_SOURCE
```

DESCRIPTION

The function `clearerr()` clears the end-of-file and error indicators for the stream pointed to by `stream`.

The function `feof()` tests the end-of-file indicator for the stream pointed to by `stream`, returning nonzero if it is set. The end-of-file indicator can be cleared only by the function `clearerr()`.

The function `ferror()` tests the error indicator for the stream pointed

to by stream, returning nonzero if it is set. The error indicator can be reset only by the clearerr() function.

The function fileno() examines the argument stream and returns the integer file descriptor used to implement this stream. The file descriptor is still owned by stream and will be closed when fclose(3) is called. Duplicate the file descriptor with dup(2) before passing it to code that might close it.

For nonlocking counterparts, see unlocked_stdio(3).

ERRORS

These functions should not fail and do not set the external variable errno. (However, in case fileno() detects that its argument is not a valid stream, it must return -1 and set errno to EBADF.)

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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?clearerr(), feof(), ? Thread safety ? MT-Safe ?

?ferror(), fileno() ? ? ?

??

CONFORMING TO

The functions clearerr(), feof(), and ferror() conform to C89, C99, POSIX.1-2001, and POSIX.1-2008.

The function fileno() conforms to POSIX.1-2001 and POSIX.1-2008.

SEE ALSO

open(2), fdopen(3), stdio(3), unlocked_stdio(3)

COLOPHON

This page is part of release 5.10 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/>.