



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

\$ man error.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() ? ? ?

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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/>.