



### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'clearerr.3'***

**\$ man clearerr.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)`.

??

?Interface ? Attribute ? Value ?

??

?`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/>.