



Linux Ubuntu 26.04 Manual Pages on command 'ferror.3'

\$ man ferror.3

ferror(3) Library Functions Manual ferror(3)

NAME

clearerr, feof, ferror - check and reset stream status

LIBRARY

Standard C library (libc, -lc)

SYNOPSIS

```
#include <stdio.h>

void clearerr(FILE *stream);

int feof(FILE *stream);

int ferror(FILE *stream);
```

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.

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

RETURN VALUE

The `feof()` function returns nonzero if the end-of-file indicator is set for `stream`; otherwise, it returns zero.

The `ferror()` function returns nonzero if the error indicator is set for `stream`; otherwise,

it returns zero.

ERRORS

These functions should not fail and do not set `errno`.

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()`, `ferror()` ? Thread safety ? MT-Safe ?

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STANDARDS

C11, POSIX.1-2008.

HISTORY

C89, POSIX.1-2001.

NOTES

POSIX.1-2008 specifies that these functions shall not change the value of `errno` if stream is valid.

CAVEATS

Normally, programs should read the return value of an input function, such as `fgetc(3)`, before using functions of the `feof(3)` family. Only when the function returned the sentinel value EOF it makes sense to distinguish between the end of a file or an error with `feof(3)` or `ferror(3)`.

SEE ALSO

[open\(2\)](#), [fdopen\(3\)](#), [fileno\(3\)](#), [stdio\(3\)](#), [unlocked_stdio\(3\)](#)