

NAME

fileno – obtain file descriptor of a stdio stream

LIBRARY

Standard C library (*libc*, *-lc*)

SYNOPSIS

```
#include <stdio.h>
```

```
int fileno(FILE *stream);
```

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

```
fileno():
    _POSIX_C_SOURCE
```

DESCRIPTION

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 the nonlocking counterpart, see **unlocked_stdio(3)**.

RETURN VALUE

On success, **fileno()** returns the file descriptor associated with *stream*. On failure, *-1* is returned and *errno* is set to indicate the error.

ERRORS**EBADF**

stream is not associated with a file.

ATTRIBUTES

For an explanation of the terms used in this section, see **attributes(7)**.

Interface	Attribute	Value
fileno()	Thread safety	MT-Safe

STANDARDS

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

SEE ALSO

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