NAME
        tmpfile – create a temporary file

LIBRARY
        Standard C library (*libc*, *−lc*)

SYNOPSIS
        #include <stdio.h>

        FILE *tmpfile(void);

DESCRIPTION
        The **tmpfile**() function opens a unique temporary file in binary read/write (w+b) mode. The file will be au-
        tomatically deleted when it is closed or the program terminates.

RETURN VALUE
        The **tmpfile**() function returns a stream descriptor, or NULL if a unique filename cannot be generated or the
        unique file cannot be opened. In the latter case, *errno* is set to indicate the error.

ERRORS
        EACCES
                Search permission denied for directory in file's path prefix.

        EEXIST
                Unable to generate a unique filename.

        EINTR
                The call was interrupted by a signal; see **signal**(7).

        EMFILE
                The per-process limit on the number of open file descriptors has been reached.

        ENFILE
                The system-wide limit on the total number of open files has been reached.

        ENOSPC
                There was no room in the directory to add the new filename.

        EROFS
                Read-only filesystem.

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

Interface	Attribute	Value
tmpfile()	Thread safety	MT-Safe

STANDARDS
        POSIX.1-2001, POSIX.1-2008, C99, SVr4, 4.3BSD, SUSv2.

NOTES
        POSIX.1-2001 specifies: an error message may be written to *stdout* if the stream cannot be opened.

        The standard does not specify the directory that **tmpfile**() will use. glibc will try the path prefix *P_tmpdir*
        defined in *<stdio.h>*, and if that fails, then the directory */tmp*.

SEE ALSO
        exit(3), **mkstemp**(3), **mktemp**(3), **tempnam**(3), **tmpnam**(3)