NAME

fnmatch - match filename or pathname

SYNOPSIS

#include <fnmatch.h>

int fnmatch(const char **pattern***, const char ****string***, int** *flags***);**

DESCRIPTION

The **fnmatch**() function checks whether the *string* argument matches the *pattern* argument, which is a shell wildcard pattern.

The *flags* argument modifies the behavior; it is the bitwise OR of zero or more of the following flags:

FNM_NOESCAPE
> If this flag is set, treat backslash as an ordinary character, instead of an escape character.

FNM_PATHNAME
> If this flag is set, match a slash in *string* only with a slash in *pattern* and not by an asterisk (*) or a question mark (?) metacharacter, nor by a bracket expression ([]) containing a slash.

FNM_PERIOD
> If this flag is set, a leading period in *string* has to be matched exactly by a period in *pattern*. A period is considered to be leading if it is the first character in *string*, or if both **FNM_PATHNAME** is set and the period immediately follows a slash.

FNM_FILE_NAME
> This is a GNU synonym for **FNM_PATHNAME**.

FNM_LEADING_DIR
> If this flag (a GNU extension) is set, the pattern is considered to be matched if it matches an initial segment of *string* which is followed by a slash. This flag is mainly for the internal use of glibc and is implemented only in certain cases.

FNM_CASEFOLD
> If this flag (a GNU extension) is set, the pattern is matched case-insensitively.

RETURN VALUE

Zero if *string* matches *pattern*, **FNM_NOMATCH** if there is no match or another nonzero value if there is an error.

CONFORMING TO

POSIX.2. The **FNM_FILE_NAME**, **FNM_LEADING_DIR**, and **FNM_CASEFOLD** flags are GNU extensions.

SEE ALSO

sh(1), glob(3), scandir(3), wordexp(3), glob(7)

COLOPHON

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