NAME
>   fmin, fminf, fminl – determine minimum of two floating-point numbers

LIBRARY
>   Math library (*libm*, *−lm*)

SYNOPSIS
>   **#include <math.h>**
>
>   **double fmin(double** *x***, double** *y***);**
>   **float fminf(float** *x***, float** *y***);**
>   **long double fminl(long double** *x***, long double** *y***);**

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

>   **fmin**(), **fminf**(), **fminl**():
>   _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L

DESCRIPTION
>   These functions return the lesser value of *x* and *y*.

RETURN VALUE
>   These functions return the minimum of *x* and *y*.
>
>   If one argument is a NaN, the other argument is returned.
>
>   If both arguments are NaN, a NaN is returned.

ERRORS
>   No errors occur.

VERSIONS
>   These functions were added in glibc 2.1.

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

Interface	Attribute	Value
fmin(), **fminf**(), **fminl**()	Thread safety	MT-Safe

STANDARDS
>   C99, POSIX.1-2001, POSIX.1-2008.

SEE ALSO
>   **fdim**(3), **fmax**(3)