

NAME

ceil, **ceilf**, **ceil** - smallest integral value greater than or equal to *x*

LIBRARY

Math Library (libm, -lm)

SYNOPSIS

#include <math.h>

double

ceil(*double x*);

float

ceilf(*float x*);

long double

ceil(*long double x*);

DESCRIPTION

The **ceil**(), **ceilf**() and **ceil**() functions return the smallest integral value greater than or equal to *x*, expressed as a floating-point number.

SEE ALSO

abs(3), fabs(3), floor(3), ieee(3), math(3), rint(3), round(3), trunc(3)

STANDARDS

The **ceil**() function conforms to ISO/IEC 9899:1990 ("ISO C90"). The **ceilf**() and **ceil**() functions conform to ISO/IEC 9899:1999 ("ISO C99").