

**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").