

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").