



Rocky Enterprise Linux 9.2 Manual Pages on command 'ceilf.3'

C:\>man ceilf.3

CEIL(3) Linux Programmer's Manual CEIL(3)

NAME

ceil, ceilf, ceill - ceiling function: smallest integral value not less than argument

SYNOPSIS

```
#include <math.h>
```

```
double ceil(double x);
```

```
float ceilf(float x);
```

```
long double ceill(long double x);
```

Link with -lm.

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

ceilf(), ceill():

```
_ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

```
|| /* Since glibc 2.19: */ _DEFAULT_SOURCE
```

```
|| /* Glibc versions <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the smallest integral value that is not less than x.

For example, ceil(0.5) is 1.0, and ceil(-0.5) is 0.0.

RETURN VALUE

These functions return the ceiling of x.

If x is integral, +0, -0, NaN, or infinite, x itself is returned.

ERRORS

