

NAME

exp10, exp10f, exp10l - base-10 exponential function

SYNOPSIS

```
#define _GNU_SOURCE /* See feature\_test\_macros\(7\) */
#include <math.h>

double exp10(double x);
float exp10f(float x);
long double exp10l(long double x);
```

Link with *-lm*.

DESCRIPTION

The `exp10()` function returns the value of 10 raised to the power of *x*.

RETURN VALUE

On success, these functions return the base-10 exponential value of *x*.

For various special cases, including the handling of infinity and NaN, as well as overflows and underflows, see [exp\(3\)](#).

ERRORS

See [math_error\(7\)](#) for information on how to determine whether an error has occurred when calling these functions.

For a discussion of the errors that can occur for these functions, see [exp\(3\)](#).

VERSIONS

These functions first appeared in glibc in version 2.1.

CONFORMING TO

These functions are GNU extensions.

SEE ALSO

[cbrt\(3\)](#), [exp\(3\)](#), [exp2\(3\)](#), [log10\(3\)](#), [sqrt\(3\)](#)

COLOPHON

This page is part of release 3.74 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <http://www.kernel.org/doc/man-pages/>.