

**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**

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