

C LIBRARY FUNCTION - LOG10

http://www.tutorialspoint.com/c_standard_library/c_function_log10.htm

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Description

The C library function **double log10***double x* returns the common logarithm *base – 10* *logarithm* of **x**.

Declaration

Following is the declaration for log10 function.

```
double log10(double x)
```

Parameters

- **x** – This is the floating point value.

Return Value

This function returns the common logarithm of x, for values of x greater than zero.

Example

The following example shows the usage of log10 function.

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

int main ()
{
    double x, ret;
    x = 10000;

    /* finding value of log1010000 */
    ret = log10(x);
    printf("log10(%lf) = %lf\n", x, ret);

    return(0);
}
```

Let us compile and run the above program that will produce the following result –

```
log10(10000.000000) = 4.000000
```

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