C library function - log10()

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.

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

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

   /* finding value of log10 10000 */
   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
```