C library function - log()

Description

The C library function **double log(double x)** returns the natural logarithm (base-e logarithm) of **x**.

Declaration

Following is the declaration for log() function.

```
double log(double x)
```

Parameters

- ☐ **x** − This is the floating point value.

Return Value

This function returns natural logarithm of x.

Example

The following example shows the usage of log() function.

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

int main () {
   double x, ret;
   x = 2.7;

   /* finding log(2.7) */
   ret = log(x);
   printf("log(%lf) = %lf", x, ret);

   return(0);
}
```

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

```
log(2.700000) = 0.993252
```