C library function - fabs()

Description

The C library function **double fabs(double x)** returns the absolute value of **x**.

Declaration

Following is the declaration for fabs() function.

```
double fabs(double x)
```

Parameters

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

Return Value

This function returns the absolute value of x.

Example

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

Live Demo

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

int main () {
   int a, b;
   a = 1234;
   b = -344;

   printf("The absolute value of %d is %lf\n", a, fabs(a));
   printf("The absolute value of %d is %lf\n", b, fabs(b));

   return(0);
}
```

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

```
The absolute value of 1234 is 1234.000000
The absolute value of -344 is 344.000000
```