

C LIBRARY FUNCTION - FABS

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

Copyright © tutorialspoint.com

Description

The C library function **double fabsdoublex** 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.

```
#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
```

Loading [MathJax]/jax/output/HTML-CSS/fonts/TeX/fontdata.js