

JAVA.LANG.STRICTMATH.ABS METHOD

http://www.tutorialspoint.com/java/lang/strictmath_abs_double.htm

Copyright © tutorialspoint.com

Description

The **java.lang.StrictMath.abs** method returns the absolute value of a double value. If the argument is not negative, the argument is returned. If the argument is negative, the negation of the argument is returned. It include some cases:

- If the argument is positive zero or negative zero, the result is positive zero.
- If the argument is infinite, the result is positive infinity.
- If the argument is NaN, the result is NaN.

Declaration

Following is the declaration for **java.lang.StrictMath.abs** method

```
public static double abs(double a)
```

Parameters

- **a** -- This is the argument whose absolute value is to be determined.

Return Value

This method returns the absolute value of a double value.

Exception

- **NA**

Example

The following example shows the usage of java.lang.StrictMath.abs method.

```
package com.tutorialspoint;

import java.lang.*;

public class StrictMathDemo {

    public static void main(String[] args) {

        double d1 = 1245.9 , d2 = -987.8;

        // returns the absolute value of positive double value
        double dAbsValue = StrictMath.abs(d1);
        System.out.println("absolute value of " + d1 + " = " + dAbsValue);

        // returns the absolute value of negative double value
        dAbsValue = StrictMath.abs(d2);
        System.out.println("absolute value of " + d2 + " = " + dAbsValue);
    }
}
```

Let us compile and run the above program, this will produce the following result:

```
absolute value of 1245.9 = 1245.9
absolute value of -987.8 = 987.8
```

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