

JAVA.LANG.STRICTMATH.COPYSIGN METHOD

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

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Description

The **java.lang.StrictMath.copySign***double***magnitude, double***sign* method returns the first floating-point argument with the sign of the second floating-point argument. For this method, a NaN sign argument is always treated as if it were positive.

Declaration

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

```
public static double copySign(double magnitude, double sign)
```

Parameters

- **magnitude** -- This is the parameter providing the magnitude of the result
- **sign** -- This is the parameter providing the sign of the result

Return Value

This method returns a value with magnitude and sign.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class StrictMathDemo {

    public static void main(String[] args) {

        double d1 = 3.8 , d2 = -1, d3 = 1 , d4 = -14;

        /* returns the first double argument with the sign of the
        second double argument */

        double signedValue = StrictMath.copySign(d1, d2);
        System.out.println("value of d1 with sign d2 : " + signedValue);

        signedValue = StrictMath.copySign(d1, d3);
        System.out.println("value of d1 with sign d3 : " + signedValue);

        signedValue = StrictMath.copySign(d2, d4);
        System.out.println("value of d2 with sign d4 : " + signedValue);

    }
}
```

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

```
value of d1 with sign d2 : -3.8
value of d1 with sign d3 : 3.8
value of d2 with sign d4 : -1.0
```

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