

JAVA.LANG.STRICTMATH.COPYSIGN METHOD

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

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The **java.lang.StrictMath.copySign***floatmagnitude, floatsign* 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 float copySign(float magnitude, float 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) {

        float f1 = 3 , f2 = -1, f3 = 1 , f4 = -14;

        /* returns the first floating-point argument with the sign of the
        second floating-point argument */

        float signedValue = StrictMath.copySign(f1 , f2);
        System.out.println("value of f1 with sign f2 : " + signedValue);

        signedValue = StrictMath.copySign(f1 , f3);
        System.out.println("value of f1 with sign f3 : " + signedValue);

        signedValue = StrictMath.copySign(f2 , f4);
        System.out.println("value of f2 with sign f4 : " + signedValue);
    }
}
```

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

```
value of f1 with sign f2 : -3.0
value of f1 with sign f3 : 3.0
value of f2 with sign f4 : -1.0
```

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