

JAVA.MATH.BIGDECIMAL.SIGNUM METHOD

http://www.tutorialspoint.com/java/math/bigdecimal_signum.htm

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Description

The **java.math.BigDecimal.signum** returns the signum function of this BigDecimal.

Declaration

Following is the declaration for **java.math.BigDecimal.signum** method

```
public int signum()
```

Parameters

- NA

Return Value

This method returns -1, 0, or 1 as the value of this BigDecimal is negative, zero, or positive.

Exception

- NA

Example

The following example shows the usage of `math.BigDecimal.signum` method

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

        // create 3 BigDecimal objects
        BigDecimal bg1, bg2, bg3;

        // create 3 int objects
        int i1, i2, i3;

        bg1 = new BigDecimal("123");
        bg2 = new BigDecimal("0");
        bg3 = new BigDecimal("-12");

        // assign the signum values of bg1,bg2,bg3 to i1,i2,i3 respectively
        i1 = bg1.signum();
        i2 = bg2.signum();
        i3 = bg3.signum();

        String str1 = "The Result of Signum function on " + bg1 + " is " + i1;
        String str2 = "The Result of Signum function on " + bg2 + " is " + i2;
        String str3 = "The Result of Signum function on " + bg3 + " is " + i3;

        // print i1,i2,i3 values
        System.out.println( str1 );
        System.out.println( str2 );
        System.out.println( str3 );
    }
}
```

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

The Result of Signum function on 123 is 1
The Result of Signum function on 0 is 0
The Result of Signum function on -12 is -1

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