

# JAVA.MATH.BIGDECIMAL.MULTIPLY METHOD

[http://www.tutorialspoint.com/java/math/bigdecimal\\_multiply.htm](http://www.tutorialspoint.com/java/math/bigdecimal_multiply.htm)

Copyright © tutorialspoint.com

## Description

The **java.math.BigDecimal.multiply***BigDecimal multiplicand* returns a BigDecimal whose value is *this* × *multiplicand*, and whose scale is *this.scale*( + *multiplicand.scale*).

## Declaration

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

```
public BigDecimal multiply(BigDecimal multiplicand)
```

## Parameters

- **multiplicand** - value to be multiplied by this BigDecimal

## Return Value

This method returns a BigDecimal whose value this \* multiplicand

## Exception

- NA

## Example

The following example shows the usage of math.BigDecimal.multiply method

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

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

        bg1 = new BigDecimal("2.310");
        bg2 = new BigDecimal("4.620");

        // multiply bg1 with bg2 and assign result to bg3
        bg3 = bg1.multiply(bg2);

        String str = "Multiplication Result is " +bg3;

        // print bg3 value
        System.out.println( str );

    }
}
```

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

```
Multiplication Result is 10.672200
```

```
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```