

JAVA.MATH.BIGDECIMAL.NEGATE METHOD

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

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Description

The **java.math.BigDecimal.negate** *MathContext mc* returns a BigDecimal whose value is *-this*, with rounding according to the context settings.

Declaration

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

```
public BigDecimal negate(MathContext mc)
```

Parameters

- **mc** - the context to use

Return Value

This method returns the negated value of the object i.e - this, rounded as necessary.

Exception

- **ArithmeticException** - if the result is inexact but the rounding mode is UNNECESSARY

Example

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

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

        // create 2 BigDecimal objects
        BigDecimal bg1, bg2;

        MathContext mc = new MathContext(4); // 4 precision

        // assign value to bg1
        bg1 = new BigDecimal("40.1264");

        // assign negate value of bg1 to bg2 using mc
        bg2 = bg1.negate(mc);

        String str = "Negated value, rounded to 2 precision is " + bg2;

        // print bg2 value
        System.out.println( str );

    }
}
```

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

```
Negated value, rounded to 2 precision is -40.13
```

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