

JAVA.MATH.BIGDECIMAL.UNSCALEDVALUE METHOD

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

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Description

The **java.math.BigDecimal.unscaledValue** returns a BigInteger whose value is the unscaled value of this BigDecimal. (Computes $(this * 10^{this.scale})$.)

Declaration

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

```
public BigInteger unscaledValue()
```

Parameters

- NA

Return Value

This method returns the unscaled value of this BigDecimal.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

        // create 2 BigDecimal objects
        BigDecimal bg1, bg2;

        // create 2 BigInteger objects
        BigInteger bi1, bi2;

        bg1 = new BigDecimal("123.12");
        bg2 = new BigDecimal("-245.03");

        // assign unscaledValue of bg1,bg2 to bi1,bi2
        bi1 = bg1.unscaledValue();
        bi2 = bg2.unscaledValue();

        String str1 = "The Unscaled Value of " + bg1 + " is " + bi1;
        String str2 = "The Unscaled Value of " + bg2 + " is " + bi2;

        // print bi1, bi2 values
        System.out.println( str1 );
        System.out.println( str2 );
    }
}
```

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

```
The Unscaled Value of 123.12 is 12312
```

The Unscaled Value of -245.03 is -24503

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