

JAVA.MATH.BIGDECIMAL.TOBIINTEGEREXACT METHOD

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

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Description

The **java.math.BigDecimal.toBigIntegerExact** converts this BigDecimal to a BigInteger, checking for lost information. An exception is thrown if this BigDecimal has a nonzero fractional part.

Declaration

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

```
public BigInteger toBigIntegerExact()
```

Parameters

- NA

Return Value

This method returns the value of BigDecimal object converted to a BigInteger

Exception

- **ArithmeticException** - if this has a nonzero fractional part

Example

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

```
package com.tutorialspoint;

import java.math.*;

public class BigDecimalDemo {

    public static void main(String[] args) {

        // create a BigDecimal object
        BigDecimal bg1;

        // create a BigInteger object
        BigInteger i1;

        bg1 = new BigDecimal("2426");

        // assign the BigIntegerExact value of bg1 to i1
        i1 = bg1.toBigIntegerExact();

        String str = "BigInteger value of " + bg1 + " is " + i1;

        // print i1 value
        System.out.println( str );

    }
}
```

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

```
BigInteger value of 2426 is 2426
```

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