

JAVA.MATH.BIGDECIMAL.DIVIDETOINTEGRALVALUE METHOD

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

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Description

The **java.math.BigDecimal.divideToIntegralValue***BigDecimal divisor* returns a BigDecimal whose value is the integer part of the quotient *this/divisor* rounded down. The preferred scale of the result is *this.scale() - divisor.scale()*.

Declaration

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

```
public BigDecimal divideToIntegralValue(BigDecimal divisor)
```

Parameters

- **divisor** - value by which this BigDecimal is to be divided.

Return Value

This method returns the integer part of this / divisor

Exception

- **ArithmeticException** - if divisor == 0

Example

The following example shows the usage of math.BigDecimal.divideToIntegralValue 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("99.8");
        bg2 = new BigDecimal("3");

        // divide bg1 with bg2
        bg3 = bg1.divideToIntegralValue(bg2);

        String str = "Integer part of division result is " +bg3;

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

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

```
Integer part of division result is 33.0
```

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