

JAVA.MATH.BIGINTEGER.REMAINDER METHOD

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

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Description

The **java.math.BigInteger.remainder***BigInteger* returns a BigInteger whose value is *this*.

Declaration

Following is the declaration for **java.math.BigInteger.remainder** method

```
public BigInteger remainder(BigInteger val)
```

Parameters

- **val** - value by which this BigInteger is to be divided, and the remainder computed

Return Value

This method returns a BigInteger object whose value is this % val.

Exception

- **ArithmeticException** - if val is zero

Example

The following example shows the usage of math.BigInteger.remainder method

```
package com.tutorialspoint;

import java.math.*;

public class BigIntegerDemo {

    public static void main(String[] args) {

        // create 3 BigInteger objects
        BigInteger bi1, bi2, bi3;

        bi1 = new BigInteger("-100");
        bi2 = new BigInteger("3");

        // perform remainder operation on bi1 using bi2
        bi3 = bi1.remainder(bi2);

        String str = bi1 + " % " + bi2 + " is " + bi3;

        // print bi3 value
        System.out.println("Remainder result for " + str);
    }
}
```

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

```
Remainder result for -100 % 3 is -1
```

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