

JAVA.MATH.BIGINTEGER.LONGVALUE METHOD

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

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Description

The **java.math.BigInteger.longValue** converts this BigInteger to a long. This conversion is analogous to a narrowing primitive conversion from long to int.

If this BigInteger is too big to fit in a long, only the low-order 64 bits are returned. This conversion can lose information about the overall magnitude of the BigInteger value as well as return a result with the opposite sign.

Declaration

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

```
public long longValue()
```

Specified by

longValue in class **Number**

Parameters

- NA

Return Value

This method returns this BigInteger converted to a long.

Exception

- NA

Example

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

```
package com.tutorialspoint;

import java.math.*;

public class BigIntegerDemo {

    public static void main(String[] args) {

        // create 2 BigInteger objects
        BigInteger bi1, bi2;

        // create 2 Long objects
        Long l1, l2;

        // assign values to bi1, bi2
        bi1 = new BigInteger("-123");
        bi2 = new BigInteger("9888486986");

        // assign the long values of bi1, bi2 to l1, l2
        l1 = bi1.longValue();
        l2 = bi2.longValue();

        String str1 = "Long value of " +bi1+ " is " +l1;
        String str2 = "Long value of " +bi2+ " is " +l2;

        // print l1, l2 values
```

```
System.out.println( str1 );  
System.out.println( str2 );  
}  
}
```

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

```
Long value of -123 is -123  
Long value of 9888486986 is 9888486986
```

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