

JAVA.MATH.BIGINTEGER.INTVALUE METHOD

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

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Description

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

If this BigInteger is too big to fit in an int, only the low-order 32 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.intValue** method

```
public int intValue()
```

Specified by

intValue in class **Number**

Parameters

- NA

Return Value

This method returns this BigInteger converted to an int.

Exception

- NA

Example

The following example shows the usage of math.BigInteger.intValue 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 Integer objects
        Integer i1, i2;

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

        // assign the integer values of bi1, bi2 to i1, i2
        i1 = bi1.intValue();
        i2 = bi2.intValue();

        String str1 = "Integer value of " +bi1+ " is " +i1;
        String str2 = "Integer value of " +bi2+ " is " +i2;

        // print i1, i2 values
```

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

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

```
Integer value of 123 is 123  
Integer value of 9888486986 is 1298552394
```

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