

JAVA.MATH.BIGINTEGER.ANDNOT METHOD

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

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Description

The **java.math.BigInteger.andNot** method returns a BigInteger whose value is **this & ~val**. This method, which is equivalent to `andVal.not()`, is provided as a convenience for masking operations. This method returns a negative BigInteger if and only if this is negative and val is positive.

Declaration

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

```
public BigInteger andNot(BigInteger val)
```

Parameters

- **val** - value to be complemented and AND'ed with this BigInteger

Return Value

This method returns a BigInteger object of value, `this & ~val`

Exception

- NA

Example

The following example shows the usage of `math.BigInteger.andNot` method

```
package com.tutorialspoint;

import java.math.*;

public class BigIntegerDemo {

    public static void main(String[] args) {

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

        // assign values to bi1, bi2
        bi1 = new BigInteger("6"); //110
        bi2 = new BigInteger("3"); //011

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

        String str = "Result of andNot operation is " +bi3;;

        // print bi3 value
        System.out.println( str );
    }
}
```

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

```
Result of andNot operation is 4
Loading [Mathjax]/jax/output/HTML-CSS/jax.js
```