

JAVA.MATH.BIGINTEGER.FLIPBIT METHOD

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

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Description

The **java.math.BigInteger.flipBit***int n* returns a BigInteger whose value is equivalent to this BigInteger with the designated bit flipped. It computes *this* $\wedge 1 \ll n$.

Declaration

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

```
public BigInteger flipBit(int n)
```

Parameters

- **n** - index of bit to flip

Return Value

This method returns a BigInteger object whose value is, *this* $\wedge 1 \ll n$

Exception

- **ArithmeticException** - n is negative

Example

The following example shows the usage of **math.BigInteger.flipBit** method

```
package com.tutorialspoint;

import java.math.*;

public class BigIntegerDemo {

    public static void main(String[] args) {

        // create 2 BigInteger objects
        BigInteger bi1, bi2;

        // assign value to bi1
        bi1 = new BigInteger("8");//1000

        // perform flipbit operation on bi1 with index 1
        bi2 = bi1.flipBit(1);

        String str = "Flipbit operation on " +bi1+ " at index 1 gives " +bi2;

        // print bi2 value
        System.out.println( str );
    }
}
```

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

```
Flipbit operation on 8 at index 1 gives 10
```

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