AVA.MATH.BIGINTEGER.XOR METHOD

Description

The **java.math.BigInteger.xor*BigIntegerval*** returns a BigInteger whose value is $this^{v}al$. This method returns a negative BigInteger if and only if exactly one of this and val are negative.

Declaration

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

```
public BigInteger xor(BigInteger val)
```

Parameters

- **val** - value to be XOR'ed with this BigInteger

Return Value

This method returns a BigInteger of value, this ^ val.

Exception

- **NA**

Example

The following example shows the usage of math.BigInteger.xor 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("8");
 bi2 = new BigInteger("-6");

 // perform xor on bi1, bi2 and assign result to bi3
 bi3 = bi1.xor(bi2);

 String str = "XOR operation " +bi1+ " and " +bi2+ " gives " +bi3;

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

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

```
XOR operation 8 and -6 gives -14
```