

JAVA.UTIL.BITSET.FLIP METHOD

http://www.tutorialspoint.com/java/util/bitset_flip_index.htm

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Description

The **java.util.BitSet.flip***intfromIndex, intoIndex* method sets each bit from the specified fromIndex *inclusive* to the specified toIndex *exclusive* to the complement of its current value.

Declaration

Following is the declaration for **java.util.BitSet.flip** method

```
public void flip(int fromIndex, int toIndex)
```

Parameters

- **fromIndex** -- index of the first bit to flip.
- **toIndex** -- index after the last bit to flip.

Return Value

This method does not return a value.

Exception

- **IndexOutOfBoundsException** -- if fromIndex is negative, or toIndex is negative, or fromIndex is larger than toIndex.

Example

The following example shows the usage of java.util.BitSet.flip method.

```
package com.tutorialspoint;

import java.util.*;

public class BitSetDemo {

    public static void main(String[] args) {

        // create 2 bitsets
        BitSet bitset1 = new BitSet(8);
        BitSet bitset2 = new BitSet(8);

        // assign values to bitset1
        bitset1.set(0);
        bitset1.set(1);
        bitset1.set(2);
        bitset1.set(3);
        bitset1.set(4);
        bitset1.set(5);

        // assign values to bitset2
        bitset2.set(2);
        bitset2.set(4);
        bitset2.set(6);
        bitset2.set(8);
        bitset2.set(10);

        // print the sets
        System.out.println("Bitset1:" + bitset1);
        System.out.println("Bitset2:" + bitset2);
    }
}
```

```
// flip from index 2 to index 5 of bitset1 and print it
bitset1.flip(2,5);
System.out.println("" + bitset1);

// flip from index 1 to index 5 of bitset2 and print it
bitset2.flip(1,5);
System.out.println("" + bitset2);

}
}
```

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

```
Bitset1:{0, 1, 2, 3, 4, 5}
Bitset2:{2, 4, 6, 8, 10}
{0, 1, 5}
{1, 3, 6, 8, 10}
```

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