

JAVA.UTIL.BITSET.NEXTCLEARBIT METHOD

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

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Description

The **java.util.BitSet.nextClearBit***intfromIndex* method returns the index of the first bit that is set to false that occurs on or after the specified starting index.

Declaration

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

```
public int nextClearBit(int fromIndex)
```

Parameters

- **fromIndex** -- the index to start checking from *inclusive*.

Return Value

This method returns the index of the next clear bit.

Exception

- **IndexOutOfBoundsException** -- if the specified index is negative.

Example

The following example shows the usage of java.util.BitSet.nextClearBit 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);

        // print the first clear bit of bitset1
        System.out.println(" " + bitset1.nextClearBit(0));
```

```
// print the first clear bit of bitset2 after index 5
System.out.println("'" + bitset2.nextClearBit(5));
}
}
```

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}
6
5
```

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