

JAVA.UTIL.BITSET.AND METHOD

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

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Description

The **java.util.BitSet.and** method performs a logical AND of this target bit set with the argument bit set. This bit set is modified so that each bit in it has the value true if and only if it both initially had the value true and the corresponding bit in the bit set argument also had the value true.

Declaration

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

```
public void and(BitSet set)
```

Parameters

- **set** -- a bit set

Return Value

This method does not return a value.

Exception

- NA

Example

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

        // perform and operation between two bitsets
```

```
bitset1.and(bitset2);  
  
// print the new bitset1  
System.out.println("" + bitset1);  
  
}  
}
```

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}  
{2, 4}
```

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