

Class `java.util.BitSet`

```
java.lang.Object
|
+----java.util.BitSet
```

public final class **BitSet**
extends [Object](#)

A set of bits. The set automatically grows as more bits are needed.

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Creates an empty set.
- o **[BitSet\(int\)](#)**
Creates an empty set with the specified size.

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Logically ANDs this bit set with the specified set of bits.
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Clears a bit.
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Gets the hashcode.

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Logically ORs this bit set with the specified set of bits.
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Calculates and returns the set's size
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Converts the BitSet to a String.
- o **xor**(BitSet)
Logically XORs this bit set with the specified set of bits.

Constructors

o **BitSet**

```
public BitSet ()
```

Creates an empty set.

o **BitSet**

```
public BitSet (int nbits)
```

Creates an empty set with the specified size.

Parameters:

nbits – the size of the set

Methods

o **set**

```
public void set (int bit)
```

Sets a bit.

Parameters:

bit – the bit to be set

o **clear**

```
public void clear (int bit)
```

Clears a bit.

Parameters:

bit – the bit to be cleared

o **get**

```
public boolean get (int bit)
```

Gets a bit.

Parameters:

bit – the bit to be gotten

o and

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

Logically ANDs this bit set with the specified set of bits.

Parameters:

set – the bit set to be ANDed with

o or

```
public void or(BitSet set)
```

Logically ORs this bit set with the specified set of bits.

Parameters:

set – the bit set to be ORed with

o xor

```
public void xor(BitSet set)
```

Logically XORs this bit set with the specified set of bits.

Parameters:

set – the bit set to be XORed with

o hashCode

```
public int hashCode()
```

Gets the hashcode.

Overrides:

hashCode in class Object

o size

```
public int size()
```

Calculates and returns the set's size

o equals

```
public boolean equals(Object obj)
```

Compares this object against the specified object.

Parameters:

obj – the object to compare with

Returns:

true if the objects are the same; false otherwise.

Overrides:

equals in class Object

o clone

```
public Object clone()
```

Clones the BitSet.

Overrides:

clone in class Object

o toString

```
public String toString()
```

Converts the BitSet to a String.

Overrides:

toString in class Object

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