Class java.util.BitSet

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

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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.
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Creates an empty set with the specified size.

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    Converts the BitSet to a String.
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    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 commpare 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