

JAVA.LANG.LONG.BITCOUNT METHOD

http://www.tutorialspoint.com/java/lang/long_bitcount.htm

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Description

The **java.lang.Long.bitCount** method returns the number of one-bits in the two's complement binary representation of the specified long value **i**. This function is sometimes referred to as the *population count*.

Declaration

Following is the declaration for **java.lang.Long.bitCount** method

```
public static int bitCount(long i)
```

Parameters

- **i** -- This is the long value.

Return Value

This method returns the number of one-bits in the two's complement binary representation of the specified long value.

Exception

- **NA**

Example

The following example shows the usage of java.lang.Long.bitCount method.

```
package com.tutorialspoint;

import java.lang.*;

public class LongDemo {

    public static void main(String[] args) {

        long l = 219;
        System.out.println("Number = " + l);

        /* returns the string representation of the unsigned long value
        represented by the argument in binary (base 2) */
        System.out.println("Binary = " + Long.toBinaryString(l));

        // returns the number of one-bits
        System.out.println("Number of one bits = " + Long.bitCount(l));
    }
}
```

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

```
Number = 219
Binary = 11011011
Number of one bits = 6
```

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