

JAVA.LANG.LONG.ROTATERIGHT METHOD

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

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Description

The **java.lang.Long.rotateRight** method returns the value obtained by rotating the two's complement binary representation of the specified long value right by the specified number of bits. *Bitshifted out of the right hand, or low – order, side reenter on the left, or high – order.*

Declaration

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

```
public static long rotateRight(long i, int distance)
```

Parameters

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

Return Value

This method returns the value obtained by rotating the two's complement binary representation of the specified long value right by the specified number of bits.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class LongDemo {

    public static void main(String[] args) {

        long n = 64;

        // returns the value obtained by rotating right
        for(int i = 0; i < 4; i++) {
            n = Long.rotateRight(n, 4);
            System.out.println(n);
        }
    }
}
```

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

```
4
4611686018427387904
288230376151711744
18014398509481984
```

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