

JAVA.LANG.INTEGER.ROTATERIGHT METHOD

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

Copyright © tutorialspoint.com

Description

The **java.lang.Integer.rotateRight** method returns the value obtained by rotating the two's complement binary representation of the specified int value **i** 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.Integer.rotateRight** method

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

Parameters

- **i** -- This is the int 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 int value right by the specified number of bits.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class IntegerDemo {

    public static void main(String[] args) {

        int n = 2;

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

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

```
536870912
33554432
2097152
131072
```

Loading [MathJax]/jax/output/HTML-CSS/jax.js