

JAVA.LANG.INTEGER.ROTATELEFT METHOD

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

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Description

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

Declaration

Following is the declaration for **java.lang.Integer.rotateLeft** method

```
public static int rotateLeft(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 left by the specified number of bits.

Exception

- **NA**

Example

The following example shows the usage of java.lang.Integer.rotateLeft 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 left
        for(int i = 0; i < 4; i++) {
            n = Integer.rotateLeft(n, 4);
            System.out.println(n);
        }
    }
}
```

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

```
32
512
8192
131072
```

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