

JAVA.LANG.INTEGER.TOBINARYSTRING METHOD

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

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Description

The **java.lang.Integer.toBinaryString** method returns a string representation of the integer argument as an unsigned integer in base 2.

Declaration

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

```
public static String toBinaryString(int i)
```

Parameters

- **i** -- This is an integer to be converted to a string.

Return Value

This method returns the string representation of the unsigned integer value represented by the argument in binary *base2*.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class IntegerDemo {

    public static void main(String[] args) {

        int i = 170;
        System.out.println("Number = " + i);

        /* returns the string representation of the unsigned integer value
        represented by the argument in binary (base 2) */
        System.out.println("Binary is " + Integer.toBinaryString(i));

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

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

```
Number = 170
Binary is 10101010
Number of one bits = 4
```

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