

JAVA.UTIL.ARRAYS.HASHCODEINT[] METHOD

http://www.tutorialspoint.com/java/util/arrays_hashcode_int.htm

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Description

The **java.util.Arrays.hashCodeint[]** method returns a hash code based on the contents of the specified array. For any two non-null int arrays *a* and *b* such that *Arrays.equalsa, b*, it is also the case that *Arrays.hashCodea == Arrays.hashCodeb*.

Declaration

Following is the declaration for **java.util.Arrays.hashCode** method

```
public static int hashCode(int[] a)
```

Parameters

- **a** -- This is the array whose hash value to compute.

Return Value

This method returns a content-based hash code for *a*.

Exception

- **NA**

Example

The following example shows the usage of java.util.Arrays.hashCode method.

```
package com.tutorialspoint;

import java.util.Arrays;

public class ArrayDemo {

    public static void main(String[] args) {

        // initializing int array
        int[] ival = new int[] { 3, 5 };

        // hashCode for value1
        int retval = ival.hashCode();

        // printing hash code value
        System.out.println("The hash code of value1 is: " + retval);

        // value2 for double array
        ival=new int[] { 19, 75 };

        // hashCode for value2
        retval=ival.hashCode();

        // printing hash code value
        System.out.println("The hash code of value2 is: " + retval);
    }
}
```

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

```
The hash code of value1 is: 4072869
The hash code of value2 is: 1671711
```

