

JAVA.LANG.SYSTEM.IDENTITYHASHCODE METHOD

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

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Description

The **java.lang.System.identityHashCode** method returns the same hash code for the given object as would be returned by the default method **hashCode**. The hash code for the null reference is zero.

Declaration

Following is the declaration for **java.lang.System.identityHashCode** method

```
public static int identityHashCode(Object x)
```

Parameters

- **x** -- This is the object for which the hashCode is to be calculated.

Return Value

This method returns the hashCode.

Exception

- **NA**

Example

The following example shows the usage of java.lang.System.identityHashCode method.

```
package com.tutorialspoint;

import java.lang.*;
import java.io.*;

public class SystemDemo {

    public static void main(String[] args) throws Exception {

        File file1 = new File("amit");
        File file2 = new File("amit");
        File file3 = new File("ansh");

        // returns the HashCode
        int ret1 = System.identityHashCode(file1);
        System.out.println(ret1);

        // returns different HashCode for same filename
        int ret2 = System.identityHashCode(file2);
        System.out.println(ret2);

        // returns the HashCode
        int ret3 = System.identityHashCode(file3);
        System.out.println(ret3);
    }
}
```

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

```
355165777
1414159026
1569228633
```

