

JAVA.LANG.DOUBLE.COMPARE METHOD

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

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Description

The **java.lang.Double.compare** method compares the two specified double values. The sign of the integer value returned is the same as that of the integer that would be returned by the call:

new Double(d1).compareTo(new Double(d2))

Declaration

Following is the declaration for **java.lang.Double.compare** method

```
public static int compare(double d1, double d2)
```

Parameters

- **d1** -- This is the first double to compare
- **d2** -- This is the second double to compare.

Return Value

This method returns the value 0 if d1 is numerically equal to d2; a value less than 0 if d1 is numerically less than d2; and a value greater than 0 if d1 is numerically greater than d2.

Exception

- **NA**

Example

The following example shows the usage of java.lang.Double.compare method.

```
package com.tutorialspoint;

import java.lang.*;

public class DoubleDemo {

    public static void main(String[] args) {

        // compares the two specified double values
        double d1 = 15.45;
        double d2 = 11.50;
        int retval = Double.compare(d1, d2);

        if(retval > 0) {
            System.out.println("d1 is greater than d2");
        }
        else if(retval < 0) {
            System.out.println("d1 is less than d2");
        }
        else {
            System.out.println("d1 is equal to d2");
        }
    }
}
```

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

```
d1 is greater than d2
```

