

JAVA.LANG.FLOAT.COMPARE METHOD

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

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Description

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

new Float(f1).compareTo(new Float(f2))

Declaration

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

```
public static int compare(float f1, float f2)
```

Parameters

- **f1** -- This is the first float to compare.
- **f2** -- This is the second float to compare.

Return Value

This method returns the value 0 if f1 is numerically equal to f2; a value less than 0 if f1 is numerically less than f2; and a value greater than 0 if f1 is numerically greater than f2.

Exception

- **NA**

Example

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

```
package com.tutorialspoint;

import java.lang.*;

public class FloatDemo {

    public static void main(String[] args) {

        // compares the two specified float values
        float f1 = 22.30f;
        float f2 = 88.67f;
        int retval = Float.compare(f1, f2);

        if(retval > 0) {
            System.out.println("f1 is greater than f2");
        }
        else if(retval < 0) {
            System.out.println("f1 is less than f2");
        }
        else {
            System.out.println("f1 is equal to f2");
        }
    }
}
```

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

```
f1 is less than f2
```

