

JAVA.UTIL.CALENDAR.COMPARETO METHOD

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

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Description

The **java.util.Calendar.compareTo** method compares the time values *millisecondoffsets* between the *Calendar* object and **anotherCalendar** object.

Declaration

Following is the declaration for **java.util.Calendar.compareTo** method

```
public int compareTo(Calendar anotherCalendar)
```

Parameters

- **anotherCalendar** -- the Calendar object to be compared.

Return Value

The method returns 0 if the time represented by the argument is equal to the time represented by this Calendar object; or a value less than 0 if the time of this Calendar is before the time represented by the argument; or a value greater than 0 if the time of this Calendar is after the time represented.

Exception

- **NullPointerException** - if the specified Calendar is null.
- **IllegalArgumentException** - if the time value of the specified Calendar object can't be obtained

Example

The following example shows the usage of java.util.calendar.compareTo method.

```
package com.tutorialspoint;

import java.util.*;

public class CalendarDemo {

    public static void main(String[] args) {

        // create two calendar at the different dates
        Calendar cal1 = new GregorianCalendar(2015, 8, 15);
        Calendar cal2 = new GregorianCalendar(2008, 1, 02);

        // compare the time values represented by two calendar objects.
        int i = cal1.compareTo(cal2);

        // return positive value if equals else return negative value
        System.out.println("The result is :"+i);

        // compare again but with the two calendars swapped
        int j = cal2.compareTo(cal);

        // return positive value if equals else return negative value
        System.out.println("The result is :"+ j);

    }
}
```

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

```
The result is :1  
The result is :-1
```

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