

JAVA.UTIL.GREGORIANCALENDAR.ADD METHOD

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

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Description

The **java.util.GregorianCalendar.add** method adds the specified *signed* amount of time to the given calendar field, based on the calendar's rules.

Declaration

Following is the declaration for **java.util.GregorianCalendar.add** method

```
public void add(int field,int amount)
```

Parameters

- **field** -- the calendar field.
- **amount** -- the amount of date or time to be added to the field.

Return Value

This method does not return a value

Exception

- **IllegalArgumentException** -- if field is ZONE_OFFSET, DST_OFFSET, or unknown, or if any calendar fields have out-of-range values in non-lenient mode.

Example

The following example shows the usage of java.util.GregorianCalendar.add method.

```
package com.tutorialspoint;

import java.util.*;

public class GregorianCalendarDemo {

    public static void main(String[] args) {

        // create a new calendar
        GregorianCalendar cal =
            (GregorianCalendar) GregorianCalendar.getInstance();

        // print the current date and time
        System.out.println(" " + cal.getTime());

        // add 2 months
        cal.add((GregorianCalendar.MONTH), 2);

        // print the modified date and time
        System.out.println(" " + cal.getTime());

        // add 2 years
        cal.add((GregorianCalendar.YEAR), 2);

        // print the modified date and time
        System.out.println(" " + cal.getTime());

    }
}
```

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

```
Fri May 18 02:25:26 EEST 2012  
Wed Jul 18 02:25:26 EEST 2012  
Fri Jul 18 02:25:26 FEET 2014
```

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