

JAVA.UTIL.GREGORIANCALENDAR.ROLL METHOD

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

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Description

The **java.util.GregorianCalendar.roll***intfield, intamount* method adds a signed amount to the specified calendar field without changing larger fields. A negative roll amount means to subtract from field without changing larger fields. If the specified amount is 0, this method performs nothing.

Declaration

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

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

Parameters

- **field** -- the calendar field.
- **amount** -- the signed amount to add to 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.roll 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());

        // roll 2 months
        cal.roll(GregorianCalendar.MONTH, 2);
        System.out.println("Date:" + cal.getTime());

        // roll 5 year backwards
        cal.roll(GregorianCalendar.YEAR, -5);
        System.out.println("Date:" + cal.getTime());

    }
}
```

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

Fri May 18 13:36:46 EEST 2012
Date:Wed Jul 18 13:36:46 EEST 2012
Date:Wed Jul 18 13:36:46 FET 2007

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