**How to get current day, month, year, day of week/month/year in java**

[**JAVA DATE**](http://beginnersbook.com/category/technology/java-guide/java-date/)

In this tutorial we will see how to get current date, day, month, year, day of week, day of month and day of year in java.

import java.util.Calendar;

import java.util.Date;

import java.util.TimeZone;

class Example {

public static void main(String args[]) {

Calendar calendar = Calendar.getInstance(TimeZone.getDefault());

//getTime() returns the current date in default time zone

Date date = calendar.getTime();

int day = calendar.get(Calendar.DATE);

//Note: +1 the month for current month

int month = calendar.get(Calendar.MONTH) + 1;

int year = calendar.get(Calendar.YEAR);

int dayOfWeek = calendar.get(Calendar.DAY\_OF\_WEEK);

int dayOfMonth = calendar.get(Calendar.DAY\_OF\_MONTH);

int dayOfYear = calendar.get(Calendar.DAY\_OF\_YEAR);

System.out.println("Current Date is: " + date);

System.out.println("Current Day is:: " + day);

System.out.println("Current Month is:: " + month);

System.out.println("Current Year is: " + year);

System.out.println("Current Day of Week is: " + dayOfWeek);

System.out.println("Current Day of Month is: " + dayOfMonth);

System.out.println("Current Day of Year is: " + dayOfYear);

}

}

Output:

Current Date is: Wed Jan 08 20:30:26 IST 2014

Current Day is:: 8

Current Month is:: 1

Current Year is: 2014

Current Day of Week is: 4

Current Day of Month is: 8

Current Day of Year is: 8

In the above **example** we have fetched the data of**local timezone** (note: we have used TimeZone.getDefault() in the first statement of the program. However it is also possible to get these details for another TimeZone.

Here is how to do it:

Calendar cal = Calendar.getInstance(TimeZone.getDefault());

//change the timezone: Provide the TimeZone Id as parameter

cal.setTimeZone(TimeZone.getTimeZone("Europe/Athens"));

//get the details in new time zone

System.out.println(cal.get(Calendar.HOUR\_OF\_DAY));

System.out.println(cal.get(Calendar.WEEK\_OF\_MONTH));

System.out.println(cal.get(Calendar.WEEK\_OF\_YEAR));

...

Here Europe/Athens is the Id of a TimeZone. In order to know the all the Ids, run the following code. It would give you all existing Ids which you can use in your program:

for (String string : TimeZone.getAvailableIDs()) {

System.out.println(string);

}

Output would be like:

Etc/GMT+12

Etc/GMT+11

Pacific/Midway

Pacific/Niue

Pacific/Pago\_Pago

Pacific/Samoa

US/Samoa

America/Adak

America/Atka

Etc/GMT+10

HST

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