**Calculate the number of days between two dates**

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

There can be several scenarios where you need to perform few operations onDate to get the desired result. Some of the cases I have covered with the help of example programs. The whole tutorial is divided into three sections as follows:

**1) Calculate the number of days between two dates**  
**2)**[**Get the previous day date and the next day date from the given date**](http://beginnersbook.com/2013/04/get-the-previous-day-date-and-next-day-date-from-the-given-date/)  
**3)**[**Compare two dates with each other**](http://beginnersbook.com/2013/04/dates-comparison-in-java/)

**You’re reading part 1 of the above three tutorials:** Lets say we have two dates in String format (MM-dd-yyyy) like “04-19-2013″ and “07-19-2013″ and we need to find the number of days between these two dates. We can write a code for this scenario. If you have a date in any other format you can tweak the code as per your need.

import java.util.Date;

class Example{

public int numberOfDays(String fromDate,String toDate)

{

java.util.Calendar cal1 = new java.util.GregorianCalendar();

java.util.Calendar cal2 = new java.util.GregorianCalendar();

//split year, month and days from the date using StringBuffer.

StringBuffer sBuffer = new StringBuffer(fromDate);

String yearFrom = sBuffer.substring(6,10);

String monFrom = sBuffer.substring(0,2);

String ddFrom = sBuffer.substring(3,5);

int intYearFrom = Integer.parseInt(yearFrom);

int intMonFrom = Integer.parseInt(monFrom);

int intDdFrom = Integer.parseInt(ddFrom);

// set the fromDate in java.util.Calendar

cal1.set(intYearFrom, intMonFrom, intDdFrom);

//split year, month and days from the date using StringBuffer.

StringBuffer sBuffer1 = new StringBuffer(toDate);

String yearTo = sBuffer1.substring(6,10);

String monTo = sBuffer1.substring(0,2);

String ddTo = sBuffer1.substring(3,5);

int intYearTo = Integer.parseInt(yearTo);

int intMonTo = Integer.parseInt(monTo);

int intDdTo = Integer.parseInt(ddTo);

// set the toDate in java.util.Calendar

cal2.set(intYearTo, intMonTo, intDdTo);

//call method daysBetween to get the number of days between two dates

int days = daysBetween(cal1.getTime(),cal2.getTime());

return days;

}

//This method is called by the above method numberOfDays

public int daysBetween(Date d1, Date d2)

{

return (int)( (d2.getTime() - d1.getTime()) / (1000 \* 60 \* 60 \* 24));

}

public static void main(String args[]){

Example obj= new Example();

int num= obj.numberOfDays("04-19-2013", "07-19-2013");

System.out.println("Number of days between mentioned dates are: "+num);

}

}

Output:

Number of days between mentioned dates are: 92