**How to convert 12-hour date/time to 24-hour date/time in java**

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

In this tutorial we will see how to convert **12 hour format** to **24 hour format**and 24 hour format to 12 hour format.

**Convert 12 Hour data/time format to 24 hour date/time format**

Input date/time: 23/12/2014 12:22:12 PM (12 hour format)  
Output date/time: 12-23-2014 22:22:12 (24 hour format)

import java.text.SimpleDateFormat;

import java.text.DateFormat;

import java.util.Date;

import java.text.ParseException;

class DateTimeFormatDemo

{

public static void main(String[] args)

{

String input = "23/12/2014 10:22:12 PM";

//Format of the date defined in the input String

DateFormat df = new SimpleDateFormat("dd/MM/yyyy hh:mm:ss aa");

//Desired format: 24 hour format: Change the pattern as per the need

DateFormat outputformat = new SimpleDateFormat("MM-dd-yyyy HH:mm:ss");

Date date = null;

String output = null;

try{

//Converting the input String to Date

date= df.parse(input);

//Changing the format of date and storing it in String

output = outputformat.format(date);

//Displaying the date

System.out.println(output);

}catch(ParseException pe){

pe.printStackTrace();

}

}

}

Output:

12-23-2014 22:22:12

**Convert 24 Hour data/time format to 12 hour date/time format**

Input date/time: 15/02/2014 22:22:12(24 hour format dd/MM/yyyy HH:mm:ss)  
Output date/time: 2014-02-15 10:22:12 PM (12 hour format yyyy-MM-dd hh:mm:ss aa)

import java.text.SimpleDateFormat;

import java.text.DateFormat;

import java.util.Date;

import java.text.ParseException;

class Example2

{

public static void main(String[] args)

{

//Input date in String format

String input = "15/02/2014 22:22:12";

//Date/time pattern of input date

DateFormat df = new SimpleDateFormat("dd/MM/yyyy HH:mm:ss");

//Date/time pattern of desired output date

DateFormat outputformat = new SimpleDateFormat("yyyy-MM-dd hh:mm:ss aa");

Date date = null;

String output = null;

try{

//Conversion of input String to date

date= df.parse(input);

//old date format to new date format

output = outputformat.format(date);

System.out.println(output);

}catch(ParseException pe){

pe.printStackTrace();

}

}

}

Output:

2014-02-15 10:22:12 PM