

# Javascript Dateformatting

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I just recognized that there is no convenient method in Javascript to format a date-object to a string with the help of a dateformat-pattern, like in `java.text.SimpleDateFormat`. So I have written a simple method, which just does this, including most important patterns.

```

/* Usage: formatDate(new Date(), 'yyyy/MM/dd HH:mm:ss.SSS'); will return current date as something like
'2010/01/01 14:41:52.957'. Implemented: y Year Year 1996 (by using yyyy); 96 (by using yy) M Month
in year Month 7 or 10 (by using M); 07 or 10 (by using MM) d Day in month Number 7 or 10 (by using
d); 07 or 10 (by using dd) H Hour in day (0-23) Number 7 or 10 (by using H); 07 or 10 (by using HH) k
Hour in day (1-24) Number 7 or 10 (by using k); 07 or 10 (by using kk) m Minute in hour Number 7 or
10 (by using m); 07 or 10 (by using mm) s Second in minute Number 7 or 10 (by using s); 07 or 10 (by
using ss) S Millisecond Number 7 or 10 or 100 (by using S); 07 or 10 or 100 (by using SS); 007 or 010
or 100 (by using SSS); Not implemented: M Month in year Month July; Jul; textual values (by using
MMM or MMMM) G Era designator Text AD w Week in year Number 27 W Week in month Number
2 D Day in year Number 189 F Day of week in month Number 2 E Day in week Text Tuesday; Tue a
Am/pm marker Text PM K Hour in am/pm (0-11) Number 0 h Hour in am/pm (1-12) Number 12 * */
function formatDate(date, format){ var dayInMonth = date.getDate(); var fullDayInMonth = dayInMonth+";
if (fullDayInMonth.length<2){ fullDayInMonth = '"0"'+fullDayInMonth; } var month =
date.getMonth()+1; var fullMonth = month+"; if (fullMonth.length<2){ fullMonth =
'"0"'+fullMonth; } var fullYear = date.getFullYear()+"; var year = fullYear.substring(2); var hour
= date.getHours(); var fullHour = hour+"; if (fullHour.length<2){ fullHour = '"0"'+fullHour; } var
khour = hour+1; var fullKhour = khour+"; if (fullKhour.length<2){ fullKhour = fullKhour+"; } var minutes
= date.getMinutes(); var fullMinutes = minutes+"; if (fullMinutes.length<2){ fullMinutes =
'"0"'+fullMinutes; } var seconds = date.getSeconds(); var fullSeconds = seconds+"; if
(fullSeconds.length<2){ fullSeconds = '"0"'+seconds; } var millis = date.getMilliseconds(); var
fullMillis1 = millis+"; if (fullMillis1.length<2){ fullMillis1 = '0'+fullMillis1; } var fullMillis2 = fullMillis1; if
(fullMillis2.length<3){ fullMillis2 = '0'+fullMillis2; } var result = format; result = result.replace(/MM/g,
fullMonth); result = result.replace(/M/g, month); result = result.replace(/yyyy/g, fullYear); result =
result.replace(/yy/g, year); result = result.replace(/dd/g, fullDayInMonth); result = result.replace(/d/g,
dayInMonth); result = result.replace(/HH/g, fullHour); result = result.replace(/H/g, hour); result =
result.replace(/kk/g, fullKhour); result = result.replace(/k/g, khour); result = result.replace(/mm/g,
fullMinutes); result = result.replace(/m/g, minutes); result = result.replace(/ss/g, fullSeconds); result =
result.replace(/s/g, seconds); result = result.replace(/SSS/g, fullMillis2); result = result.replace(/SS/g,
fullMillis1); result = result.replace(/S/g, millis); return result; }

```