

DateTimeFormatter (Java Platform SE 8)

All letters 'A' to 'Z' and 'a' to 'z' are reserved as pattern letters. The following pattern letters are defined:

| Symbol | Meaning | Presentation | Examples |
|--------|----------------------------|--------------|--|
| G | era | text | AD; Anno Domini; A |
| u | year | year | 2004; 04 |
| y | year-of-era | year | 2004; 04 |
| D | day-of-year | number | 189 |
| M/L | month-of-year | number/text | 7; 07; Jul; July; J |
| d | day-of-month | number | 10 |
| Q/q | quarter-of-year | number/text | 3; 03; Q3; 3rd quarter |
| Y | week-based-year | year | 1996; 96 |
| w | week-of-week-based-year | number | 27 |
| W | week-of-month | number | 4 |
| E | day-of-week | text | Tue; Tuesday; T |
| e/c | localized day-of-week | number/text | 2; 02; Tue; Tuesday; T |
| F | week-of-month | number | 3 |
| a | am-pm-of-day | text | PM |
| h | clock-hour-of-am-pm (1-12) | number | 12 |
| K | hour-of-am-pm (0-11) | number | 0 |
| k | clock-hour-of-am-pm (1-24) | number | 0 |
| H | hour-of-day (0-23) | number | 0 |
| m | minute-of-hour | number | 30 |
| s | second-of-minute | number | 55 |
| S | fraction-of-second | fraction | 978 |
| A | milli-of-day | number | 1234 |
| n | nano-of-second | number | 987654321 |
| N | nano-of-day | number | 1234000000 |
| V | time-zone ID | zone-id | America/Los_Angeles; Z; -08:30 |
| z | time-zone name | zone-name | Pacific Standard Time; PST |
| O | localized zone-offset | offset-0 | GMT+8; GMT+08:00; UTC-08:00; |
| X | zone-offset 'Z' for zero | offset-X | Z; -08; -0830; -08:30; -083015; -08:30:15; |
| x | zone-offset | offset-x | +0000; -08; -0830; -08:30; -083015; -08:30:15; |
| Z | zone-offset | offset-Z | +0000; -0800; -08:00; |
| p | pad next | pad modifier | 1 |