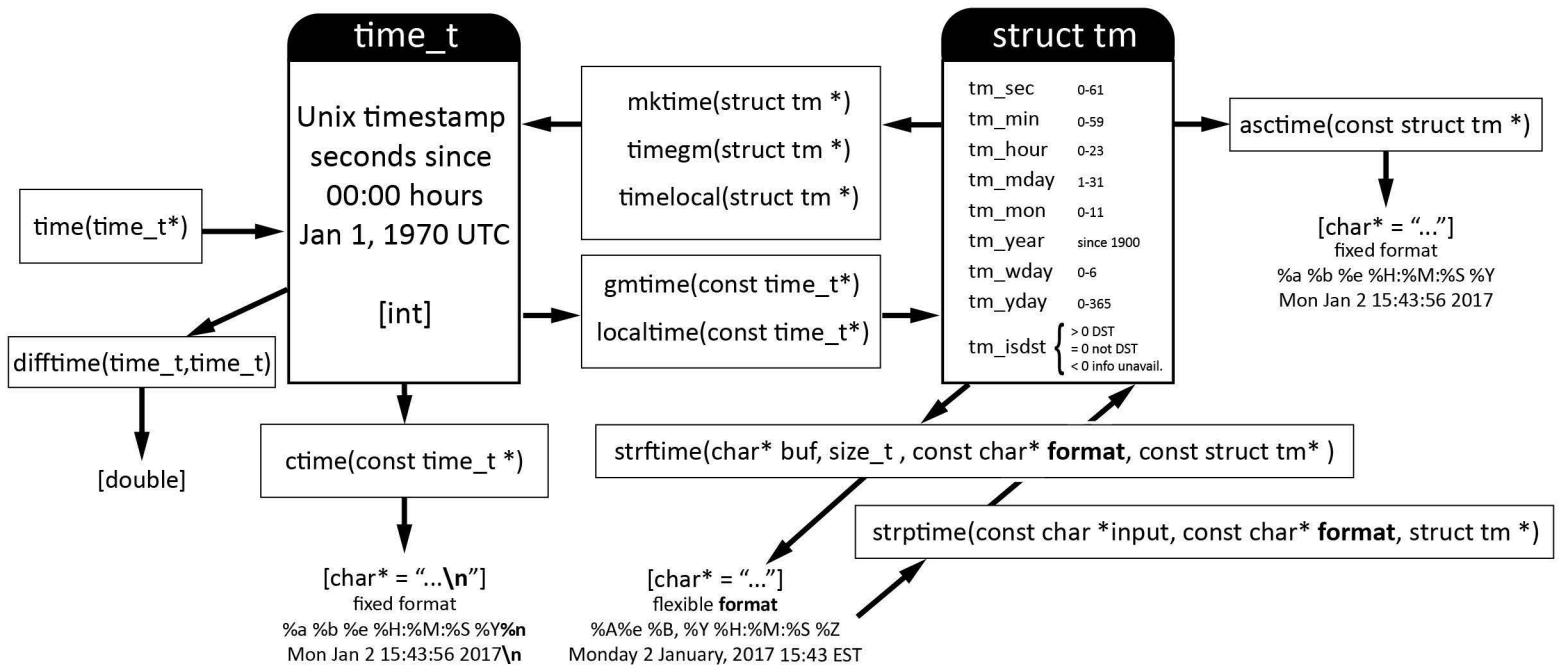


# <ctime> and <time.h> Cheat Sheet



## Time string format characters

strftime()		strptime()	
Abbreviated weekday name	%a	Day of the week	%a
Full weekday name	%A	Day of the week (same as %a)	%A
Abbreviated month name	%b	Month name	%b
Full month name	%B	Month name (same as %b)	%B
Date and time representation	%c	Locale's date and time representation.	%c
Year divided by 100 and truncated to integer [00,99]	%C	Year divided by 100 and truncated to integer [00,99]; leading zeros ok.	%C
Day of the month, zero-padded [01,31]	%d	Day of the month [1,31]; leading zeros ok.	%d
Short MM/DD/YY date, equivalent to %m/%d/%y	%D	Short MM/DD/YY date, equivalent to %m/%d/%y	%D
Day of the month, space-padded [ 1,31]	%e	Day of the month [1,31]; leading zeros ok. (same as %d)	%e
Short YYYY-MM-DD date, equivalent to %Y-%m-%d	%F	-	%F
Week-based year, last two digits [00,99]	%g	-	%g
Week-based year	%G	-	%G
Abbreviated month name (same as %b)	%h	Month name (same as %b)	%h
Hour in 24h format [00,23]	%H	Hour in 24h format [00,23]; leading zeros ok	%H
Hour in 12h format [01,12]	%I	Hour (12-hour clock) [01,12]; leading zeros ok.	%I
Day of the year [001,366]	%j	Day of the year [001,366]; leading zeros ok.	%j
Month number [01,12]	%m	Month number [01,12]; leading zeros ok.	%m
Minute [00-59]	%M	Minute [00,59]; leading zeros ok.	%M
New-line character ('\n')	%n	Any white space.	%n
Locale's AM or PM designation	%p	Locale's AM or PM designation	%p
12-hour clock time using AM/PM notation	%r	12-hour clock time using AM/PM notation	%r
24-hour HH:MM time, equivalent to %H:%M	%R	24-hour HH:MM time, equivalent to %H:%M	%R
Seconds [00,60]	%S	Seconds [00,60]; leading zeros ok.	%S
Horizontal-tab character ('\t')	%t	Any white space.	%t
ISO 8601 time format (HH:MM:SS), equivalent to %H:%M:%S	%T	The time as %H : %M : %S.	%T
ISO 8601 weekday as number with Monday as 1 (1-7)	%u	-	%u
Week number with the first Sunday as the first day of week one (00-53)	%U	Week number of the year (Sunday = first day of week) [00,53]; leading zeros ok.	%U
ISO 8601 week number (00-53)	%V	-	%V
Day of week (Sunday=0) [0-6]	%w	Day of week (Sunday=0) [0,6]; leading zeros ok.	%w
Week number (Monday = first day of week) [00,53]	%W	Week number (Monday = first day of week) [00,53]; leading zeros ok.	%W
The date, using the locale's date format	%x	The date, using the locale's date format.	%x
The time, using the locale's date format	%X	The time, using the locale's time format.	%X
Year, last two digits (00-99)	%y	The year within century. When a century is not otherwise specified, values in the range [69,99] shall refer to years 1969 to 1999 inclusive, and values in the range [00,68] shall refer to years 2000 to 2068 inclusive; leading zeros ok.	%y
The year, including the century	%Y	The year, including the century	%Y
ISO 8601 offset from UTC in timezone (1 minute=1, 1 hour=100). (If timezone cannot be determined, no characters.)	%z	-	%z
Timezone name or abbreviation. (If timezone cannot be determined, no characters.)	%Z	-	%Z
The % sign	%%	The % sign.	%%

### Reference:

<http://man7.org/linux/man-pages/man3/ctime.3.html>  
<http://www.cplusplus.com/reference/ctime>