[Basic date and time types in Python](http://www.pythonforbeginners.com/basics/python-strftime-and-strptime/)

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Tags: [date](http://www.pythonforbeginners.com/tag/date/) · [strftime() and strptime()](http://www.pythonforbeginners.com/tag/strftime-and-strptime/)

Date and Time

The date, datetime, and time objects all support a strftime(format) method,

to create a string representing the time under the control of an explicit format

string.

Here is a list of the format codes with their directive and meaning.

%a Locale’s abbreviated weekday name.

%A Locale’s full weekday name.

%b Locale’s abbreviated month name.

%B Locale’s full month name.

%c Locale’s appropriate date and time representation.

%d Day of the month as a decimal number [01,31].

%f Microsecond as a decimal number [0,999999], zero-padded on the left

%H Hour (24-hour clock) as a decimal number [00,23].

%I Hour (12-hour clock) as a decimal number [01,12].

%j Day of the year as a decimal number [001,366].

%m Month as a decimal number [01,12].

%M Minute as a decimal number [00,59].

%p Locale’s equivalent of either AM or PM.

%S Second as a decimal number [00,61].

%U Week number of the year (Sunday as the first day of the week)

%w Weekday as a decimal number [0(Sunday),6].

%W Week number of the year (Monday as the first day of the week)

%x Locale’s appropriate date representation.

%X Locale’s appropriate time representation.

%y Year without century as a decimal number [00,99].

%Y Year with century as a decimal number.

%z UTC offset in the form +HHMM or -HHMM.

%Z Time zone name (empty string if the object is naive).

%% A literal '%' character.