How to use Date and Time in Python

## Date and Time Example

Let's see what we can do with the datetime and time modules in Python

import time

import datetime

print "Time in seconds since the epoch: %s" %time.time()

print "Current date and time: " , datetime.datetime.now()

print "Or like this: " ,datetime.datetime.now().strftime("%y-%m-%d-%H-%M")

print "Current year: ", datetime.date.today().strftime("%Y")

print "Month of year: ", datetime.date.today().strftime("%B")

print "Week number of the year: ", datetime.date.today().strftime("%W")

print "Weekday of the week: ", datetime.date.today().strftime("%w")

print "Day of year: ", datetime.date.today().strftime("%j")

print "Day of the month : ", datetime.date.today().strftime("%d")

print "Day of week: ", datetime.date.today().strftime("%A")

## Output

That will print out something like this:

Time in seconds since the epoch: 1349271346.46

Current date and time: 2012-10-03 15:35:46.461491

Or like this: 12-10-03-15-35

Current year: 2012

Month of year: October

Week number of the year: 40

Weekday of the week: 3

Day of year: 277

Day of the month : 03

Day of week: Wednesday

Getting the weekday of a certain date (your pet's birthday).

import datetime

mydate = datetime.date(1943,3, 13) #year, month, day

print(mydate.strftime("%A"))

#!/usr/bin/python

import calendar

cal = calendar.month(2008, 1)

print "Here is the calendar:"

print cal

Two days differences

from datetime import date

d0 = date(2008, 8, 18)

d1 = date(2008, 9, 26)

delta = d1 - d0

print delta.days