[Date and Time Script](http://www.pythonforbeginners.com/code-snippets-source-code/date-and-time-script/)***1***

17 Feb 2013   | [Code snippets](http://www.pythonforbeginners.com/category/code-snippets-source-code/)

Overview

This script can be used to parse date and time.

Open a blank file and name it for example dateParser.py

Copy and paste the code below (and make sure you understand what it does) into

the file.

dateParser.py

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17 | from datetime import datetime    now = datetime.now()    mm = str(now.month)    dd = str(now.day)    yyyy = str(now.year)    hour = str(now.hour)    mi = str(now.minute)    ss = str(now.second)    print mm + "/" + dd + "/" + yyyy + " " + hour + ":" + mi + ":" + ss |

Now save and exit the file and run it by:

**$ python dateParser.py**

Time.sleep

In Python you can use time.sleep() to suspend execution for the given number of

seconds.

The seconds are being given between the parenthesis.

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11 | # How to sleep for 5 seconds in python:    import time    time.sleep(5)    # How to sleep for 0.5 seconds in python:    import time    time.sleep(0.5) |

How to get the current date and time

I found this date and time script on this excellent website:

<http://www.saltycrane.com/blog/2008/06/how-to-get-current-date-and-time-in/>

|  |  |
| --- | --- |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21 | import datetime    now = datetime.datetime.now()    print  print "Current date and time using str method of datetime object:"  print str(now)    print  print "Current date and time using instance attributes:"  print "Current year: %d" % now.year  print "Current month: %d" % now.month  print "Current day: %d" % now.day  print "Current hour: %d" % now.hour  print "Current minute: %d" % now.minute  print "Current second: %d" % now.second  print "Current microsecond: %d" % now.microsecond    print  print "Current date and time using strftime:"  print now.strftime("%Y-%m-%d %H:%M") |

The result:

Current date and time using str method of datetime object:

2013-02-17 16:02:49.338517

Current date and time using instance attributes:

Current year: 2013

Current month: 2

Current day: 17

Current hour: 16

Current minute: 2

Current second: 49

Current microsecond: 338517

Current date and time using strftime:

2013-02-17 16:02