**8.4** Open the file **romeo.txt** and read it line by line. For each line, split the line into a list of words using the **split()**function. The program should build a list of words. For each word on each line check to see if the word is already in the list and if not append it to the list. When the program completes, sort and print the resulting words in alphabetical order.

You can download the sample data at <http://www.pythonlearn.com/code/romeo.txt>

Principio del formulario

Check Code Reset Code Info Done 



1

fname = raw\_input("Enter file name: ")

2

fh = open(fname)

3

lst = list()

4

for line in fh:

5

print line.rstrip()

6

Final del formulario

**Your Output**

**Desired Output**

['Arise', 'But', 'It', 'Juliet', 'Who', 'already', 'and', 'breaks', 'east', 'envious', 'fair', 'grief', 'is', 'kill', 'light', 'moon', 'pale', 'sick', 'soft', 'sun', 'the', 'through', 'what', 'window', 'with', 'yonder']

Setting: [Hide editor](https://pr4e.dr-chuck.com/tsugi/mod/pythonauto/auto.php?editor=0&PHPSESSID=227530d8aaec9d589dfd80e4d79549bb). This software supports Python 2.7 and is based on [Skulpt](http://skulpt.org/" \t "_blank) and [CodeMirror](http://codemirror.net/" \t "_blank). The source code for this auto-grader is available on [on GitHub](https://github.com/csev/tsugi" \t "_blank).

**8.5** Open the file **mbox-short.txt** and read it line by line. When you find a line that starts with 'From ' like the following line:

From stephen.marquard@uct.ac.za Sat Jan 5 09:14:16 2008

You will parse the From line using split() and print out the second word in the line (i.e. the entire address of the person who sent the message). Then print out a count at the end.

**Hint:** make sure not to include the lines that start with 'From:'.

You can download the sample data at <http://www.pythonlearn.com/code/mbox-short.txt>

Principio del formulario

Check Code Reset Code Info Done 



1

fname = raw\_input("Enter file name: ")

2

if len(fname) < 1 : fname = "mbox-short.txt"

3

4

fh = open(fname)

5

count = 0

6

7

print "There were", count, "lines in the file with From as the first word"

8

Final del formulario

**Your Output**

**Desired Output**

stephen.marquard@uct.ac.za

louis@media.berkeley.edu

zqian@umich.edu

rjlowe@iupui.edu

zqian@umich.edu

rjlowe@iupui.edu

cwen@iupui.edu

cwen@iupui.edu

gsilver@umich.edu

gsilver@umich.edu

zqian@umich.edu

gsilver@umich.edu

wagnermr@iupui.edu

zqian@umich.edu

antranig@caret.cam.ac.uk

gopal.ramasammycook@gmail.com

david.horwitz@uct.ac.za

david.horwitz@uct.ac.za

david.horwitz@uct.ac.za

david.horwitz@uct.ac.za

stephen.marquard@uct.ac.za

louis@media.berkeley.edu

louis@media.berkeley.edu

ray@media.berkeley.edu

cwen@iupui.edu

cwen@iupui.edu

cwen@iupui.edu

There were 27 lines in the file with From as the first word

Setting: [Hide editor](https://pr4e.dr-chuck.com/tsugi/mod/pythonauto/auto.php?editor=0&PHPSESSID=a1d7fcf0ef48bb518e43040ecafc87cd). This software supports Python 2.7 and is based on [Skulpt](http://skulpt.org/" \t "_blank) and [CodeMirror](http://codemirror.net/" \t "_blank). The source code for this auto-grader is available on [on GitHub](https://github.com/csev/tsugi" \t "_blank).