Files assignment   /20 marks

1. The "atp.text" file has the following format

<position>,<firstName>,<lastName>,<age>,<points>

Write a program that will ask the user to enter the lower points limit and the upper points limit and based on those 2 numbers it will create a txt file (comma separated) that includes the players ranking, his last name and his points.

Output how many players are in that range. The name of the file should be "MinPointstoMaxPoints.txt"

e.g. 3000to5000.txt

```
>>>
Enter the points FROM: 3000
Enter the points TO: 5000
--------------------------------
4 players total
>>> |
```
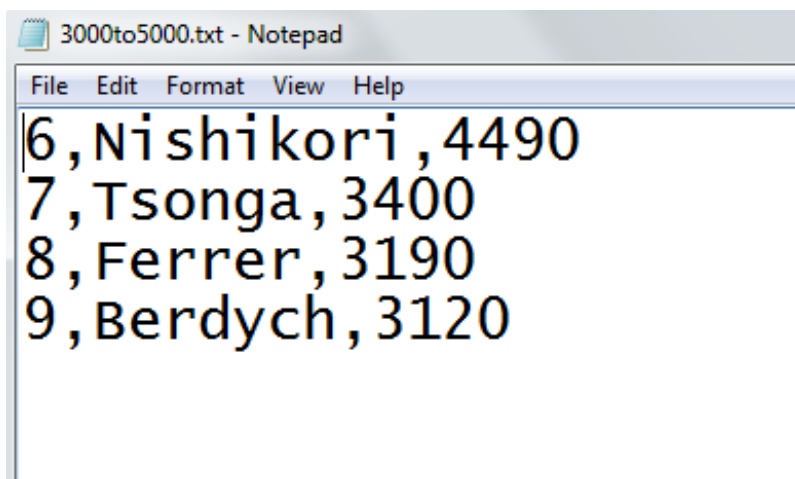
The text file should look like this:

```
3000to5000.txt - Notepad
File  Edit  Format  View  Help
6,Nishikori,4490
7,Tsonga,3400
8,Ferrer,3190
9,Berdych,3120
```

save as fileAssign1.py (6 marks)

2. Download the file "seuss.txt". The vocabulary of the text consists of just fifty different words!? Is that actually true?

Write a program that will read data from "seuss.txt" and display the number of different words.

After you test your program on "seuss.txt", try to run your program using the file "hamlet.txt".

save as fileAssign2.py (7 marks)

3.   Read the following paragraph as quickly as you can and see if you encounter any difficulties.


```
Aoccdrnig to rscheearch at an Elingsh uinervtisy, it deosn't mttaer in waht oredr
the ltteers in a wrod are, the olny iprmoatnt tihng is taht the frist and lsat
ltteer is at the rghit pclae. The rset can be a toatl mses and you can sitll raed
it wouthit a porbelm. Tihs is bcuseae we do not raed ervey lteter by itslef but
the wrod as a wlohe.
```


- Open a file for reading ("testing.txt").
- Read the file, use the string **split** method to extract a list of all words
- Process each word such that:
  - a) Each word maintains its first and last letter in the correct position
  - b) For every word larger than three letters long, the middle letters (between the first and last letter) should be randomly scrambled (re-ordered)

- Output the revised text file to "scrambled.txt"

Hint: (Review the code in helpQ3.py)

save as fileAssign3.py (7 marks)