

Exercise 1: Revise a previous program as follows: Read and parse the "From" lines and pull out the addresses from the line. Count the number of messages from each person using a dictionary.

After all the data has been read, print the person with the most commits by creating a list of (count, email) tuples from the dictionary. Then sort the list in reverse order and print out the person who has the most commits.

Sample Line:

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

Enter a file name: mbox-short.txt

cwen@iupui.edu 5

Enter a file name: mbox.txt

zqian@umich.edu 195

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Plan:

- Have the user enter a file name.
  - o If the file name doesn't exist, print("File not found") and end the program.
- Read and parse each line with the word "From" & get the email addresses from the parsed line
- Count the number of times that address appeared. Store the counts and email in a dictionary.
- Create a new list
- Use the dictionary to store the count and email addresses in a tuple. Each tuple should be put in a list.
- Sort the list in descending order
- Get the first value in the list