**SIS -08**

**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

dictionary\_addresses = dict()  
lst = list()  
  
fname = input('Enter file name: ')  
try:  
 fhand = open(fname)  
except FileNotFoundError:  
 print('File cannot be opened:', fname)  
 quit()  
  
for line in fhand:  
 words = line.split()  
 if len(words) < 2 or words[0] != 'From':  
 continue  
 else:  
 if words[1] not in dictionary\_addresses:  
 dictionary\_addresses[words[1]] = 1  
 else:  
 dictionary\_addresses[words[1]] += 1  
  
for key, val in list(dictionary\_addresses.items()):  
 lst.append((val, key))  
  
lst.sort(reverse=True)  
  
for count, email in lst[:1]:  
 print(email, count)