

9.4 Write a program to read through the **mbox-short.txt** and figure out who has sent the greatest number of mail messages. The program looks for 'From ' lines and takes the second word of those lines as the person who sent the mail. The program creates a Python dictionary that maps the sender's mail address to a count of the number of times they appear in the file. After the dictionary is produced, the program reads through the dictionary using a maximum loop to find the most prolific committer.

[Check Code](#)[Reset Code](#)

```
1 name = input("Enter file:")
2 if len(name) < 1 : name = "mbox-short.txt"
3 handle = open(name)
4 mail = list()
5 mail_num = dict()
6 count = 0
7 for line in handle:
8     if line.startswith('From '):
9         if len(line)>40:
10            sp = line.split()
11            mail.append(sp[1])
12
13 for key in mail:
14     mail_num[key]=mail_num.get(key,0)+1
15
16 big_val = None
17 big_key = None
18 for k,v in mail_num.items():
19     if big_val is None:
20         big_val = v
21         big_key = k
22     elif v>big_val:
23         big_val = v
24         big_key = k
```

Your Output

Desired Output

cwen@iupui.edu 5

Setting: [Hide editor](#) This software is based on [Skulpt](#) and [CodeMirror](#). The source code for this auto-grader is available on [GitHub](#).

Select Language