Working with dictionaries

Write a program to read through the mbox-short.txt file and figure out who has the sent the greatest number of mail messages. ¶

1. The program looks for 'From ' lines and takes the second word of those lines as the person who sent the mail.
2. 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.

In [23]:
```python
fileOpener = open("mbox-short.txt")
```

In [24]:
```python
book = dict()
for each in fileOpener:
    if each.startswith("Received"):
        item = each.split(" ")
        sender = item[2]
        #print(sender)
        for word in item:
            if sender in book:
                book[sender] = book[sender] + 1
            else:
                    book[sender] = 1

print(book)
```

```
{'murder': 270, 'holes.mr.itd.umich.edu': 20, 'paploo.uhi.ac.uk': 270, 'p
rod.collab.uhi.ac.uk': 108, 'nakamura.uits.iupui.edu': 270, 'apache@local
host)\n': 81, 'icestorm.mr.itd.umich.edu': 10, 'ghostbusters.mr.itd.umic
h.edu': 5, 'dreamcatcher.mr.itd.umich.edu': 5, 'firestarter.mr.itd.umich.
edu': 10, 'eyewitness.mr.itd.umich.edu': 10, 'tadpole.mr.itd.umich.edu':
5, 'it.mr.itd.umich.edu': 5, 'creepshow.mr.itd.umich.edu': 10, 'carrie.m
r.itd.umich.edu': 5, 'shining.mr.itd.umich.edu': 5, 'guys.mr.itd.umich.ed
u': 10, 'galaxyquest.mr.itd.umich.edu': 10, 'workinggirl.mr.itd.umich.ed
u': 5, 'salemslot.mr.itd.umich.edu': 15, 'anniehall.mr.itd.umich.edu': 5}
```

In [ ]: