

10.2 Write a program to read through the **mbox-short.txt** and figure out the distribution by hour of the day for each of the messages. You can pull the hour out from the 'From ' line by finding the time and then splitting the string a second time using a colon.

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

Once you have accumulated the counts for each hour, print out the counts, sorted by hour as shown below.

Check Code

Reset Code



Grade updated on server.

```
1 name = input("Enter file:")
2 if len(name) < 1 : name = "mbox-short.txt"
3 handle = open(name)
4
5 di = {}
6 for line in handle:
7     line = line.strip()
8
9     if line.startswith('From '):
10        splitted = line.split(" ")
11        hour = splitted[6].split(":")[0]
12        if not hour in di:
13            di[hour] = 1
14        else:
15            di[hour] += 1
16
17 for key, value in sorted(di.items()):
18     print(key, value)
19
20
21
```