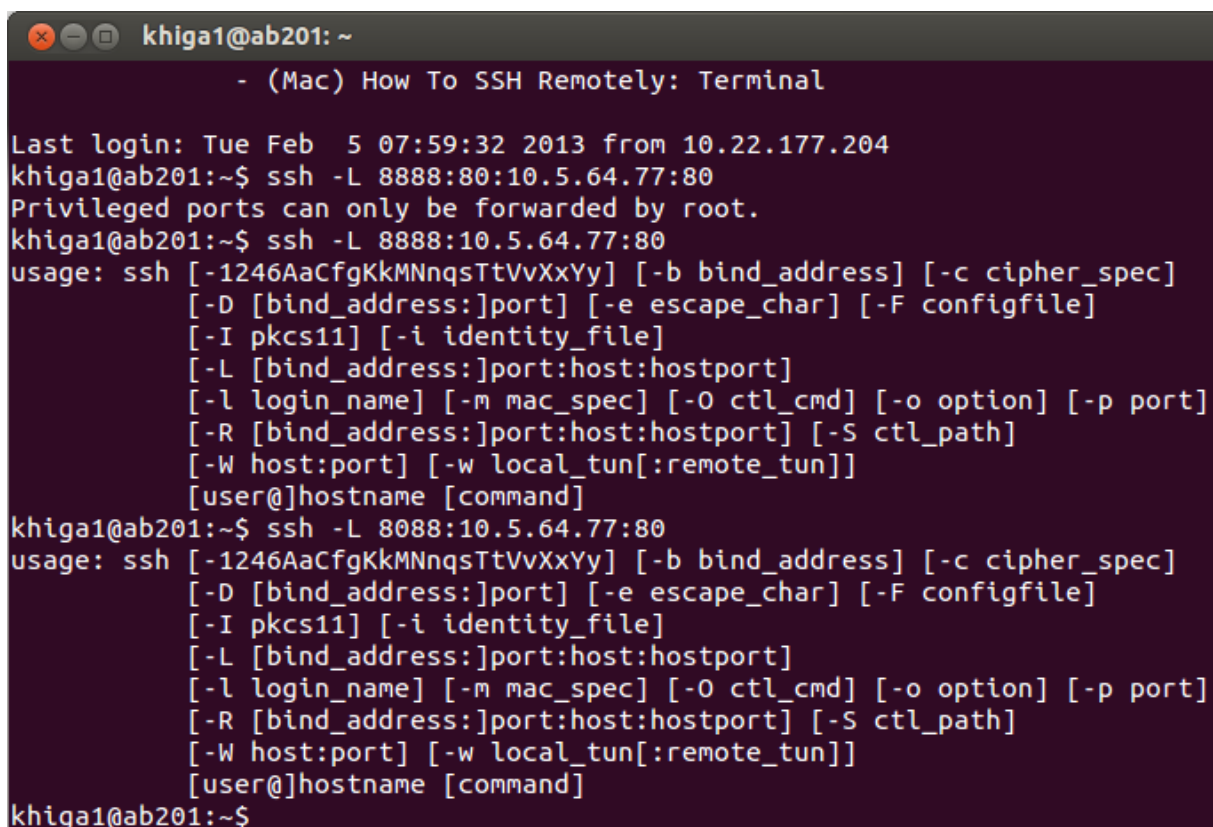


Process Survey

See ../homework/shell-gymnastics/ps for the text dump files for part c of each question.

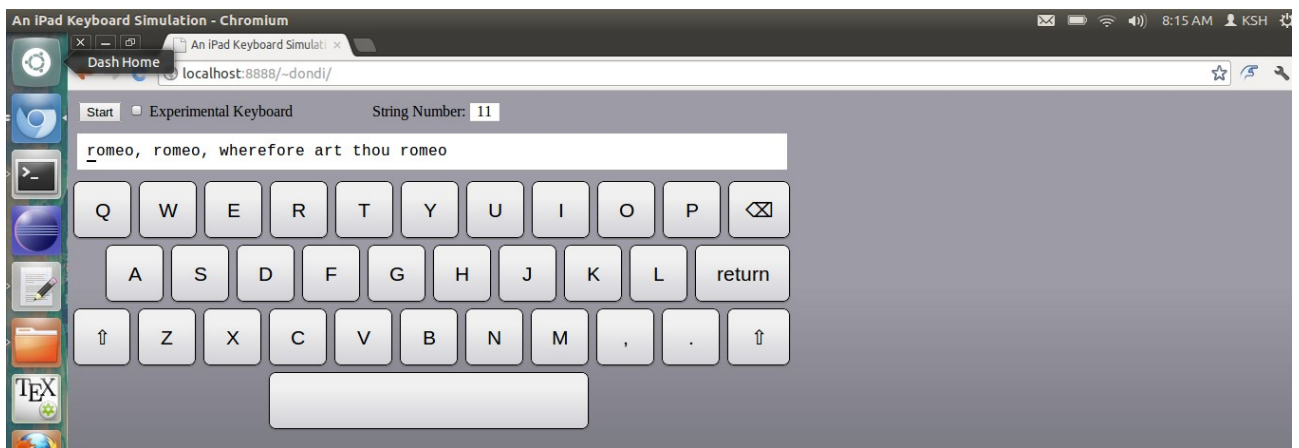
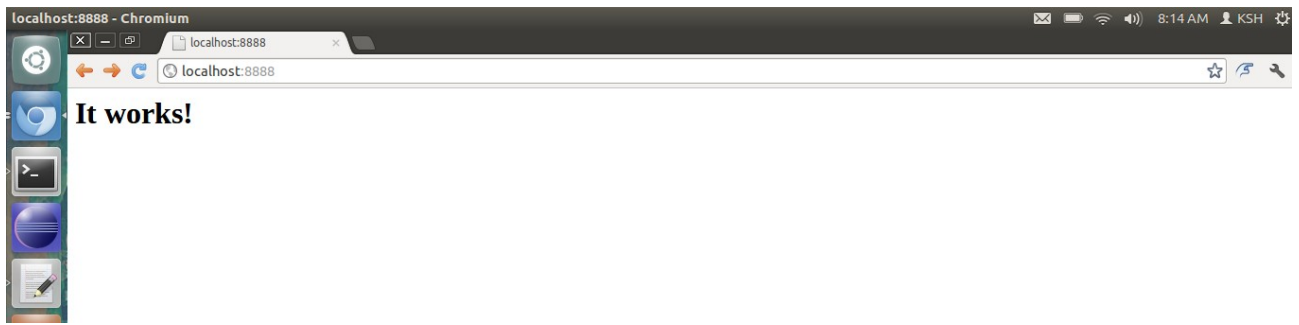
1. a.) The root-owned processes are those in the text dump except for the grep I ran to find it.
b.) `ps aux | grep root`
2. a.) The processes that are running on my account are those that can be seen in the text dump file. You can see bash, the chrome browser, and even a ssh client running.
b.) `ps aux | grep ksh`
3. a.) The program running with the most memory is this word processor that I'm using to write up my homework assignment, libreoffice writer. The program running with the most virtual memory is consolekit, which is a GUI which keeps track of logins.
b.) `ps aux --sort %mem`
`ps aux -sort vsz`
4. a.) Andy, Ashik, and Terran appear to also have ssh'd into the server.
b.) `ps aux | grep -v "khiga1" | grep -v "root"`

1.)



A terminal window titled "khiga1@ab201: ~" with a subtitle "(Mac) How To SSH Remotely: Terminal". The terminal shows the following commands and output:

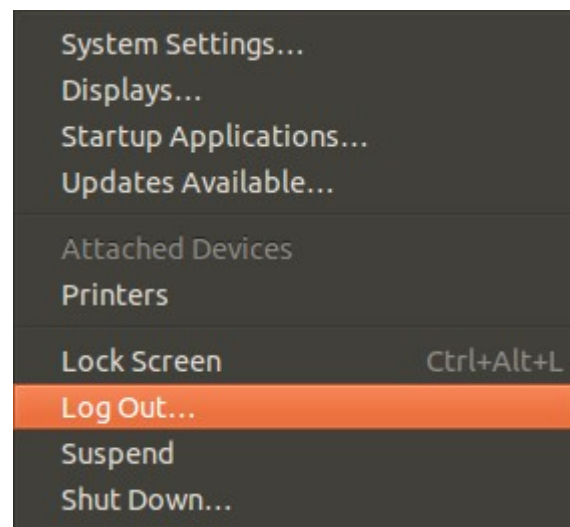
```
Last login: Tue Feb  5 07:59:32 2013 from 10.22.177.204
khiga1@ab201:~$ ssh -L 8888:80:10.5.64.77:80
Privileged ports can only be forwarded by root.
khiga1@ab201:~$ ssh -L 8888:10.5.64.77:80
usage: ssh [-1246AaCfGkKMnqSTtVvXxYy] [-b bind_address] [-c cipher_spec]
          [-D [bind_address:]port] [-e escape_char] [-F configfile]
          [-I pkcs11] [-i identity_file]
          [-L [bind_address:]port:host:hostport]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-R [bind_address:]port:host:hostport] [-S ctl_path]
          [-W host:port] [-w local_tun[:remote_tun]]
          [user@]hostname [command]
khiga1@ab201:~$ ssh -L 8088:10.5.64.77:80
usage: ssh [-1246AaCfGkKMnqSTtVvXxYy] [-b bind_address] [-c cipher_spec]
          [-D [bind_address:]port] [-e escape_char] [-F configfile]
          [-I pkcs11] [-i identity_file]
          [-L [bind_address:]port:host:hostport]
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]
          [-R [bind_address:]port:host:hostport] [-S ctl_path]
          [-W host:port] [-w local_tun[:remote_tun]]
          [user@]hostname [command]
khiga1@ab201:~$
```






2.)

```
ksh@ubuntu: ~  
ksh@ubuntu:~$ ping localhost
```

```
ksh@ubuntu: ~  
ksh@ubuntu:~$ ping localhost  
ksh@ubuntu: ~  
khiga1@ab201:~$ cd Documents  
khiga1@ab201:~/Documents$ ls  
Average.class Average.java CMSI 186 IntegerYAY.java year2  
khiga1@ab201:~/Documents$ cd ..  
khiga1@ab201:~$ cd public_html  
khiga1@ab201:~/public_html$ ls  
index.html  
khiga1@ab201:~/public_html$ ssh -L 8888:index.html:80  
usage: ssh [-1246AaCfGKkMNNqsTtVvXxYy] [-b bind_address] [-c cipher_spec]  
          [-D [bind_address:]port] [-e escape_char] [-F configfile]  
          [-I pkcs11] [-i identity_file]  
          [-L [bind_address:]port:host:hostport]  
          [-l login_name] [-m mac_spec] [-O ctl_cmd] [-o option] [-p port]  
          [-R [bind_address:]port:host:hostport] [-S ctl_path]  
          [-W host:port] [-w local_tun[:remote_tun]]  
          [user@]hostname [command]  
khiga1@ab201:~/public_html$ ^C  
khiga1@ab201:~/public_html$ logout  
Connection to my.cs.lmu.edu closed.  
ksh@ubuntu:~$ screen  
[detached from 8596.pts-0.ubuntu]  
ksh@ubuntu:~$ screen -r  
[detached from 8596.pts-0.ubuntu]  
ksh@ubuntu:~$
```



   ksh@ubuntu: ~
ksh@ubuntu:~\$ screen -r

ksh@ubuntu: ~

```
64 bytes from localhost (127.0.0.1): icmp_req=125 ttl=64 time=0.032 ms
64 bytes from localhost (127.0.0.1): icmp_req=126 ttl=64 time=0.035 ms
64 bytes from localhost (127.0.0.1): icmp_req=127 ttl=64 time=0.039 ms
64 bytes from localhost (127.0.0.1): icmp_req=128 ttl=64 time=0.033 ms
64 bytes from localhost (127.0.0.1): icmp_req=129 ttl=64 time=0.025 ms
64 bytes from localhost (127.0.0.1): icmp_req=130 ttl=64 time=0.041 ms
64 bytes from localhost (127.0.0.1): icmp_req=131 ttl=64 time=0.038 ms
64 bytes from localhost (127.0.0.1): icmp_req=132 ttl=64 time=0.036 ms
64 bytes from localhost (127.0.0.1): icmp_req=133 ttl=64 time=0.041 ms
64 bytes from localhost (127.0.0.1): icmp_req=134 ttl=64 time=0.035 ms
64 bytes from localhost (127.0.0.1): icmp_req=135 ttl=64 time=0.041 ms
64 bytes from localhost (127.0.0.1): icmp_req=136 ttl=64 time=0.036 ms
64 bytes from localhost (127.0.0.1): icmp_req=137 ttl=64 time=0.035 ms
64 bytes from localhost (127.0.0.1): icmp_req=138 ttl=64 time=0.044 ms
64 bytes from localhost (127.0.0.1): icmp_req=139 ttl=64 time=0.037 ms
64 bytes from localhost (127.0.0.1): icmp_req=140 ttl=64 time=0.040 ms
64 bytes from localhost (127.0.0.1): icmp_req=141 ttl=64 time=0.046 ms
64 bytes from localhost (127.0.0.1): icmp_req=142 ttl=64 time=0.034 ms
64 bytes from localhost (127.0.0.1): icmp_req=143 ttl=64 time=0.040 ms
64 bytes from localhost (127.0.0.1): icmp_req=144 ttl=64 time=0.043 ms
64 bytes from localhost (127.0.0.1): icmp_req=145 ttl=64 time=0.039 ms
64 bytes from localhost (127.0.0.1): icmp_req=146 ttl=64 time=0.034 ms
64 bytes from localhost (127.0.0.1): icmp_req=147 ttl=64 time=0.036 ms
```

3.)

```
du | grep Documents/CMSI
```

Finds the disk space used within my computer science folders.

4.)

- 1.) 5118227
- 2.) 5512206
- 3.) 5242944
- 4.) 5118227

```
ls -li | grep 0205.txt
```

5.) `mount | grep ^/dev/`

Output:

```
/dev/loop0 on / type ext3 (rw)
```

```
/dev/sda2 on /host type fuseblk
```

```
(rw,nosuid,nodev,relatime,user_id=0,group_id=0,allow_other,blksize=4096)
```

```
/dev/sdb1 on /media/34B5-C699 type vfat
```

```
(rw,nosuid,nodev,uid=1000,gid=1000,shortname=mixed,dmask=0077,utf8=1,showexec,flush,uhelper=udisks)
```