1. Capture a detailed list of ALL files and directories, including dot files, in the /lib directory. By editing your text file, indicated which lines refer to: files, directories and links. — You don't need to do this for all the files, just a few to illustrate you understand the difference. (2 of each)

```
huntersike@ubuntu:/lib$ ls -l
total 736
(This is a Directory)drwxr-xr-x 2 root root (This is a directory)drwxr-xr-x 2 root root
                                               1024 Oct 17 02:28 apparmor
                                               3072 Oct 17 02:29 brltty
(This is a Link)lrwxrwxrwx 1 root root
                                            21 Oct 17 02:30 cpp ->
/etc/alternatives/cpp
drwxr-xr-x 3 root root
                          1024 Oct 17 02:28 crda
drwxr-xr-x 53 root root
                          6144 Oct 17 02:29 firmware
                          1024 Oct 17 02:28 hdparm
drwxr-xr-x 2 root root
drwxr-xr-x 2 root root
                          1024 Oct 17 02:26 init
(This is a File)-rwxr-xr-x 1 root root 72184 Sep 27
                                                       2012 klibc
mYFhANOtcdgrJ6uSmDbFyxKe3NQ.so
(This is a link)lrwxrwxrwx
                            1 root root
                                            22 Aug 21
                                                       2012 libcryptsetup.so.4
-> libcryptsetup.so.4.2.0
(This is a File)-rw-r--r--
                            1 root root 101224 Aug 21 2012
libcryptsetup.so.4.2.0
                                       2012 libip4tc.so.0 -> libip4tc.so.0.0.0
lrwxrwxrwx 1 root root
                            17 Sep 18
-rw-r--r--
            1 root root
                         27360 Sep 18
                                       2012 libip4tc.so.0.0.0
lrwxrwxrwx
           1 root root
                            17 Sep 18
                                       2012 libip6tc.so.0 -> libip6tc.so.0.0.0
-rw-r--r--
            1 root root
                         31488 Sep 18
                                       2012 libip6tc.so.0.0.0
lrwxrwxrwx 1 root root
                            16 Sep 18
                                      2012 libiptc.so.0 -> libiptc.so.0.0.0
                          5808 Sep 18 2012 libiptc.so.0.0.0
-rw-r--r--
           1 root root
                            18 Jun 13 2012 libnewt.so.0.52 ->
lrwxrwxrwx 1 root root
libnewt.so.0.52.11
-rw-r--r-- 1 root root
                         93984 Jun 13 2012 libnewt.so.0.52.11
-rw-r--r-- 1 root root
                         10408 Oct 8 09:11 libnss mdns4 minimal.so.2
                         14520 Oct 8 09:11 libnss_mdns4.so.2
-rw-r--r-- 1 root root
                         10408 Oct 8 09:11 libnss mdns6 minimal.so.2
-rw-r--r-- 1 root root
                                   8 09:11 libnss_mdns6.so.2
-rw-r--r-- 1 root root
                         14520 Oct
                                    8 09:11 libnss mdns minimal.so.2
-rw-r--r--
            1 root root
                         14504 Oct
                                   8 09:11 libnss mdns.so.2
-rw-r--r--
            1 root root
                         14520 Oct
lrwxrwxrwx 1 root root
                            27 Aug 16
                                      2012 libply-boot-client.so.2 ->
libply-boot-client.so.2.0.0
                         22720 Aug 16
                                       2012 libply-boot-client.so.2.0.0
-rw-r--r-- 1 root root
lrwxrwxrwx 1 root root
                            15 Aug 16
                                       2012 libply.so.2 -> libply.so.2.0.0
                                       2012 libply.so.2.0.0
           1 root root
                         97376 Aug 16
-rw-r--r--
                                      2012 libply-splash-core.so.2 ->
lrwxrwxrwx 1 root root
                            27 Aug 16
libply-splash-core.so.2.0.0
-rw-r--r-- 1 root root
                         76736 Aug 16
                                       2012 libply-splash-core.so.2.0.0
lrwxrwxrwx 1 root root
                            31 Aug 16
                                       2012 libply-splash-graphics.so.2 ->
libply-splash-graphics.so.2.0.0
-rw-r--r-- 1 root root 39544 Aug 16
                                       2012 libply-splash-graphics.so.2.0.0
lrwxrwxrwx 1 root root
                            19 Sep 18
                                      2012 libxtables.so.7 ->
libxtables.so.7.0.0
-rw-r--r-- 1 root root
                         47872 Sep 18 2012 libxtables.so.7.0.0
                          1024 Oct 17 02:28 linux-sound-base
drwxr-xr-x 2 root root
drwxr-xr-x 2 root root
                          1024 Oct 17 02:26 lsb
drwxr-xr-x 3 root root
                          1024 Oct 17 02:28 modules
drwxr-xr-x 4 root root
                          1024 Oct 17 02:29 plymouth
                          1024 Oct 17 02:30 recovery-mode
drwxr-xr-x 3 root root
drwxr-xr-x 2 root root
                          1024 Oct 17 02:26 resolvconf
drwxr-xr-x 2 root root
                          1024 Oct 17 02:29 security
drwxr-xr-x 3 root root
                          1024 Oct 11 01:17 systemd
drwxr-xr-x 15 root root
                          1024 Oct 4 05:26 terminfo
                          1024 Oct 17 02:29 udev
drwxr-xr-x 5 root root
```

2. Capture the command and a detailed listing of the file properties of the .bashrc file in your homedirectory. Add a comment below this capture that explains all the file properties of .bashrc.

```
huntersike@ubuntu:~$ ls -al -rw-r--r- 1 huntersike huntersike 3637 Apr 3 16:57 .bashrc User can read and write. Group can read. Other can read. User huntersike. Contains 3637 files. Last modified on Apr 3 16:57.
```

3. Create a subdirectory called cscd240 in your home directory. Capture the command that created the directory and the output of an ls command that shows that the new directory exists.

huntersike@ubuntu:~\$ mkdir cscd240 huntersike@ubuntu:~\$ ls cscd240 Documents examples.desktop Pictures Templates Desktop Downloads Music Public Videos

4. Create another subdirectory inside cscd240 that is named lab1. Capture the command that

created the directory and the output of an ls command that shows that the new directory exists.

NOTE: The creation of the directory lab1 must be made from /home/yourhomedirectory

huntersike@ubuntu:~/cscd240\$ mkdir lab1 huntersike@ubuntu:~/cscd240\$ ls lab1

5. With the home directory still as your current working directory, capture the command that copies the .bashrc file from your home directory to a file called orig.bashrc in the lab1 directory.

huntersike@ubuntu:~\$ cp .bashrc orig.lab1

6. Within the home directory, capture a detailed listing of all the files in the lab1 directory.

```
drwxrwxr-x 2 huntersike huntersike 1024 Apr 4 18:48 .
drwxrwxr-x 3 huntersike huntersike 1024 Apr 4 18:48 .
-rw-r---- 1 huntersike huntersike 3637 Apr 4 18:47 orig.bashrc
```

7. Change to the lab1 directory capture the change directory command and capture a command that renames the .bashrc in lab1 to my.bashrc.

```
huntersike@ubuntu:~$ cd cscd240/lab1
huntersike@ubuntu:~/cscd240/lab1$ mv orig.bashrc my.bashrc
```

8. Capture a detailed listing of all the files in the lab1 directory.

```
drwxrwxr-x 2 huntersike huntersike 1024 Apr 4 19:10 .
drwxrwxr-x 3 huntersike huntersike 1024 Apr 4 18:48 ..
-rw-r--r- 1 huntersike huntersike 3637 Apr 4 18:47 my.bashrc
```

9. Starting in your lab1 directory, capture a command that uses a relative pathname to make cscd240 the current working directory.

huntersike@ubuntu:~/cscd240/lab1\$ cd ../

10. Use the pwd command to indicate the current working directory.

huntersike@ubuntu:~/cscd240\$ pwd/home/huntersike/cscd240

11. Starting in /usr/bin, (you will have to change to /usr/bin) (Prove you are in /usr/bin with pwd)capture the command using an absolute path that will make your home directory the currentworking directory. Prove the directory change with pwd.

huntersike@ubuntu:/usr/bin\$ pwd
/usr/bin
huntersike@ubuntu:/usr/bin\$ cd ~
huntersike@ubuntu:~\$ pwd
/home/huntersike

12. Capture the command and output using rmdir (with no other commands) to delete the lab1 subdirectory. Does it delete the directory? Why or why not. What combination of commands

will delete the directory? You don't need to issue the commands.

huntersike@ubuntu:~\$ rmdir cscd240/lab1 rmdir: failed to remove `cscd240/lab1': Directory not empty No it did not delete the directory because it is not empty. I would need to use a rm -rf cscd240/lab1 command.

13. Using the man page describe what is output by the env command with no arguments.

Outputs information about the environment.

14. Show a shell command that will add the current directory to the PATH (without removing any existing variables from the current value of PATH.)

huntersike@ubuntu:~\$ PATH=PATH:/~

15. Describe what you would have to do to make a change to the Shell permanent.

Edit the .bashrc file directly

16. Explain how to make a Shell change permanent for all sessions including your

current session. (i.e. how do I reload my current session without closing and reopening)

Make the change in .bashrc then enter the command: . .profile

17. Capture the output from the echo "Current time and date is `date`" command.

huntersike@ubuntu:~\$ echo "Current time and date is `date`" Current time and date is Thu Apr 4 20:30:39 PDT 2013

18. Issue the date command and capture its output. Now, capture the output from the echo 'Current time and date is `date`' command. Note that the ` character is an accent NOT an apostrophe '. Explain why the output is different in particular to the single and double quotes. Also explain what the ` character does.

huntersike@ubuntu:~\$ date
Thu Apr 4 20:33:04 PDT 2013
huntersike@ubuntu:~\$ echo "Current time and date is `date`"
Current time and date is Thu Apr 4 20:30:39 PDT 2013
The accents identify the word date as a command inside of the quotes. So that command is executed first on the inside, then the entire line is outputed as a string.

19. Create a symbolic link called almost that links to the lab1 directory. Capture the output

huntersike@ubuntu:~\$ ln -s cscd240/lab1 almost huntersike@ubuntu:~\$ ls -al lrwxrwxrwx 1 huntersike huntersike 12 Apr 4 20:46 almost -> cscd240/lab1

20. Change to almost and capture the output.

huntersike@ubuntu:~\$ cd almost
huntersike@ubuntu:~/almost\$ pwd
/home/huntersike/almost

- 21. Use "help" to get information on how to use the alias command.
- a. What information is provided in from "help"?
- b. When do should you use "help" compared to when you should use "man

The information provided is a description of the uses for the alias command. Use help when you want to know what a command does, and man when you want to know how to use a command.

22. Create an alias named LA that is ls —al. Capture the output and show it worked.

huntersike@ubuntu:~\$ alias LA=`ls -al`
huntersike@ubuntu:~\$ LA
The program 'total' is currently not installed. You can install it by typing:
sudo apt-get install radiance
drwxr-xr-x: command not found
drwxr-xr-x: command not found
bash: cscd240/lab1: Is a directory
-rw-----: command not found
-rw-r--r-: command not found
-rw-r--r-: command not found

```
drwx----: command not found
drwx----: command not found
drwx----: command not found
drwxrwxr-x: command not found
drwx----: command not found
drwxr-xr-x: command not found
-rw-r--r-: command not found
drwxr-xr-x: command not found
drwxr-xr-x: command not found
-rw-r--r-: command not found
drwx----: command not found
drwxr-xr-x: command not found
-rw----: command not found
drwxrwxr-x: command not found
-rw-rw-r--: command not found
-rw----: command not found
-rw-r--r-: command not found
drwxr-xr-x: command not found
drwx----: command not found
drwx----: command not found
drwxr-xr-x: command not found
-rw-r--r-: command not found
drwxr-xr-x: command not found
-rw-r--r-: command not found
drwxr-xr-x: command not found
drwx----: command not found
-rw----: command not found
drwxr-xr-x: command not found
drwxr-xr-x: command not found
-rw----: command not found
-rw----: command not found
-rw----: command not found
```

23. Capture the command to redirect your output from #17 to a file named date.txt.

huntersike@ubuntu:~\$ echo "Current time and date is `date`" > date.txt

- 24. Issue the more or less command on date.txt and capture the output. huntersike@ubuntu:~\$ less date.txt Current time and date is Thu Apr 4 21:22:41 PDT 2013
- 25. Capture the long listing of date.txt.
- -rw-rw-r-- 1 huntersike huntersike 54 Apr 4 21:22 date.txt
- 26. Modify date.txt to add executable privileges to date.txt for the owner, Capture the command and proof that the permissions were changed. No other permissions will be changed. You must do this with the octal values.

```
huntersike@ubuntu:~$ chmod 764 date.txt
-rwxrw-r-- 1 huntersike huntersike 54 Apr 4 21:22 date.txt
```

27. Modify date.txt to remove w from the group. Capture the command and proof that the permissions were changed. No other permissions will be changed. You must do this without

using the octal values.

huntersike@ubuntu:~\$ chmod g-w date.txt -rwxr--r-- 1 huntersike huntersike 54 Apr 4 21:22 date.txt

28. Capture the command to create a tar file named date.tgz that contains date.txt. Capture the ls command to show the tar file was created.

huntersike@ubuntu:~\$ tar cvfz date.tgz date.txt huntersike@ubuntu:~\$ ls

almost date.txt Downloads Music Public cscd240 Desktop examples.desktop orig.lab1 Templates date.tqz Documents lab1 Pictures Videos

29. Capture the command to create a zip file named date.zip that contains date.txt. Capture the ls command to show the zip file was created.

huntersike@ubuntu:~\$ zip date.zip date.txt

huntersike@ubuntu:~\$ ls

almost date.txt Documents lab1 Pictures Videos

cscd240 date.zip Downloads Music Public date.tgz Desktop examples.desktop orig.lab1 Templates

- 30. Change directory so you are working from within the lab1 directory. Once in the directory:
- a. Capture the command that will create 6 files using the touch command. The files will be

named test, test1, test21, test3, something, nothing.

- b. Capture the use of PICO to add text to the file test1.
- c. Capture the long listing of test1 to show the size changed.
- d. Capture the ls command using metacharacters that will print all files named test followed

by a single digit.

huntersike@ubuntu:~/cscd240/lab1\$ touch test test1 test21 test3 something nothing

huntersike@ubuntu:~/cscd240/lab1\$ pico test1

-rw-rw-r-- 1 huntersike huntersike 13 Apr 4 22:11 test1

huntersike@ubuntu:~/cscd240/lab1\$ ls test?
test1 test3

- 31. With your home directory as your current working directory complete the following:
- a. Create a symbolic link called myTest which refers to test1 in the lab1 directory
- b. Capture a long listing of all the files in your home directory.

huntersike@ubuntu:~\$ ln -s cscd240/lab1 myTest

```
drwxr-xr-x 22 huntersike huntersike 1024 Apr 4 22:20 .
drwxr-xr-x 3 root root 1024 Apr 3 16:57 ...
```

lrwxrwxrwx 1 huntersike huntersike 12 Apr 4 20:46 almost -> cscd240/lab1

- -rw----- 1 huntersike huntersike 2641 Apr 4 21:18 .bash_history -rw-r--r-- 1 huntersike huntersike 220 Apr 3 16:57 .bash_logout
- -rw-r--r-- 1 huntersike huntersike 3637 Apr 3 16:57 .bashrc

```
drwx----- 3 huntersike huntersike 1024 Apr 4 00:16 .compiz
drwx----- 15 huntersike huntersike 1024 Apr 4 19:43 .config
drwxrwxr-x 3 huntersike huntersike 1024 Apr 4 18:48 cscd240
-rw-rw-r-- 1 huntersike huntersike 175 Apr 4 21:56 date.tgz
-rwxr--r-- 1 huntersike huntersike 54 Apr 4 21:22 date.txt
-rw-rw-r-- 1 huntersike huntersike 220 Apr 4 22:04 date.zip
drwx----- 3 huntersike huntersike 1024 Apr 4 00:00 .dbus
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 22:17 Desktop
-rw-r--r-- 1 huntersike huntersike 25 Apr 4 17:24 .dmrc
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 00:00 Documents
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 17:26 Downloads
-rw-r--r-- 1 huntersike huntersike 8445 Apr 3 16:57 examples.desktop
drwxr-xr-x 3 huntersike huntersike 1024 Apr 4 17:24 .gconf
drwxr-xr-x 3 huntersike huntersike 1024 Apr 4 00:01 .gnome2
-rw----- 1 huntersike huntersike
                                                0 Apr 4 00:16 .goutputstream-PMSUUW
drwxrwxr-x 2 huntersike huntersike 1024 Apr 4 19:41 .gstreamer-0.10
-rw-rw-r-- 1 huntersike huntersike 162 Apr 4 17:24 .gtk-bookmarks
-rw----- 1 huntersike huntersike 954 Apr 4 17:24 .ICEauthority
-rw-r--r-- 1 huntersike huntersike 3637 Apr 4 18:46 lab1
drwxr-xr-x 3 huntersike huntersike 1024 Apr 4 00:00 .local
drwx----- 3 huntersike huntersike 1024 Apr 4 00:01 .mission-control
drwx----- 4 huntersike huntersike 1024 Apr 4 00:03 .mozilla
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 00:00 Music lrwxrwxrwx 1 huntersike huntersike 12 Apr 4 22:20 myTest -> -rw-r--r- 1 huntersike huntersike 3637 Apr 4 19:00 orig.lab1 drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 00:00 Pictures
                                               12 Apr 4 22:20 myTest -> cscd240/lab1
-rw-r--r-- 1 huntersike huntersike 675 Apr 3 16:57 .profile
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 00:00 Public
drwx----- 2 huntersike huntersike 1024 Apr 4 17:24 .pulse
-rw----- 1 huntersike huntersike 256 Apr 4 00:00 .pulse-cookie
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 00:00 Templates
drwxr-xr-x 2 huntersike huntersike 1024 Apr 4 00:00 Videos
-rw----- 1 huntersike huntersike
                                              51 Apr 4 17:24 .Xauthority
-rw----- 1 huntersike huntersike 8219 Apr 4 21:23 .xsession-errors
-rw----- 1 huntersike huntersike 3312 Apr 4 17:16 .xsession-errors.old
```

drwx----- 15 huntersike huntersike 1024 Apr 4 19:43 .cache

32. Explain when and why one would ever use the sudo command? Is the sudo command ever issued

behind the scenes by the operating system? Justify your answer.

One would use the sudo command to gain access temporarily to the administrative privledges of the super user. The operating system shouldn't need to use sudo behind the scenes since it can just have root access.

- 33. Capture the command echo \$SHELL.
- a. What shell are you using?
- b. Capture the command required to install ksh
- c. Capture the command to switch to ksh
- d. Capture the command echo \$SHELL.
- e. What shell are you using? Why is the shell different than you expected?
- f. Capture the command to leave ksh

huntersike@ubuntu:~\$ echo \$SHELL
/bin/bash

I am using the bash shell.

huntersike@ubuntu:~\$ sudo apt-get install ksh

huntersike@ubuntu:~\$ ksh

\$ echo \$SHELL

I am now using the Korn shell. The command line looks different, and the up arrow doesn't re-input my last command anymore.

\$ bash

- 34. Capture the command echo \$PS1.
- a. Capture the command PS1="prompt : "
- b. Explained what happened
- c. Capture the command to add the date to "prompt: "
- d. Explain how to change the prompt permanently.

The command line was changed to say prompt:

prompt : PS1="propmt : `date`"

You could change the prompt permanently by editing the .bashrc file, and changing the line that specifys this.

- 35. Capture the df command
- a. What is the purpose of the df command
- b. Capture the df command that allows the output in human readable format

The df command displays the usage of space of file systems.

The df-h command would output in human readable format.

- 36. Capture the output of the command "history"
- a. How many lines were displayed?
- b. How do you execute the last command without retyping it?
- c. How do you change the number commands saved in the history file? (Hint: bashrc)
 - 1 /lib
 - 2 ls-al /lib
 - 3 ls-al
 - 4 ls /lib
 - 5 clear
 - 6 ls al /lib
 - 7 pwd
 - 8 pwd /lib
 - 9 /lib
 - 10 ls /lib
 - 11 cd lib
 - 12 cd /lib
 - 13 dir
 - 14 ls
 - 15 dir
 - 16 cleaR
 - 17 clear
 - 18 pwd
 - 19 ls -l
 - 20 clear

```
21 /.
22
23 cd /.
24
   .bashrc
25 ls
26 which bashrc
27 which .bashrc
28 which .bashrc.
29 cd /bin
30 ls
31 ls -l
32
   .bashrc
33 bashrc
34
   .bashrc.
35 bashrc.
36 clear
37 cd /.
38 clear
39 $HOME/ .bashrc
40 /ls
41 /home
42 cd /home
43 ls
44 find / -name "bashrc"
45 cd /etc
46 ls
   clear
47
48 /home
49 cd /home
50 cd /etc
51 ls -bash
52 /etc
53 cd /etc
54 ls -l
55 mkdir cscd240
56 ls
57
   cd cscd240
58 mkdir lab1
59
60 cp bash.bashrc orig.bashrc
61
62 cp bash.bashrc /lab1/orig.bashrc
63 cp /etc/bash.bashrc /lab1/orig.bashrc
64 cp /etc/bash.bashr/lab1/orig.bashrc
65
   clear
66 ls -*.bashrc
   ls *.bashrc
67
68 ls -.bashrc
   ls -al
69
70
   clear
71
   cp-rf .bashrc.home orig.bashrc.lab1
   cf .bashrc.home orig.bashrc/lab1
73 pf .bashrc.home orig.bashrc/lab1
74 pf .bashrc.home orig.b
75
   cp .bashrc.home orig.bashrc/lab1
76
   cp .bashrc orig.bashrc
77
78 move orig /lab1
79 move ori.bashrc /lab1
80 move orig.bashrc /lab1
81 mv orig.bashrc /lab1
82 mv orig.bashrc /cscd240
```

```
83 sudo mv orig.bashrc /lab1
84 cd lab1
85 cd /lab1
86 cd /cscd240/lab1
87 cd cscd240
88 cd lab1
89 ls
90 ls -al
91 ls
92 ls -al
93 cp .bashrc orig.bashrc
94 sudo mv orig.bashrc lab1
95 cd lab1
96 cd cscd240/lab1
97
    ls
98 cp .bashrc orig.bashrc
99 sudo mv orig.bashrc cscd240
100 sudo mv orig.bashrc lab1
101 cd cscd240
102 sudo mv orig.bashrc lab1
103 cd lab1
    ls
104
105 ls -al
106 /clear
107 clear
108
109 cd ~
110 clear
111 cp .bashrc orig.lab1
112 cd cscd240
113 cd cscdlab1
114 cd lab1
115 ls
116 /~
   cd /~
117
118 cd ~
119 clear
120 cd cscd240/lab1
121 mv orig.bashrc my.bashrc
    ls -al
122
123
    /.
124
    ./
125 cd /.
126 cd cscd240
127
    cd/~
128 cd /~
129 cd ~
130 cd cscd240
131 cd lab1
132
    cd /.
133
    cd ~
134 cd cscd240/lab1
135 cd .
136 cd ./
137
    cd ./lab1
138 cd ./cscd240/lab1
139 cd ./lab1
140 cd /./lab1
141 cd ./lab1
142 cd .lab1
143 cd ./
144 ../
```

```
145 cd ../
146 pwd
147
    root
148 cd root
149 cd path
150 cd /huntersike/bin
151
    cd huntersike/bin
152
    cd /home/bin
153
    cd /~/bin
    cd ~/bin
154
    cd /bin
155
156
    pwd
157
158
    cd ..
159
    ~/
160
    cd ~
    cd cscd240
161
162
    cd /boot/huntersike/bin
163
    cd boot/huntersike/bin
164
    cd ~/bin
165
    cd ~
166
    cd bin
167
    etc/bin
168
    bin
169
    which bin
170
    which /bin
171 cd usr/bin
172 cd /usr/bin
173 pwd
174 cd ~
175 pwd
176 rmdir lab1
177
    rmdir cscd240/lab1
178 man env
179
    env
180 man env
    info coreutils 'env invocation'
181
182
    clear
183
    PATH=PATH:.
184
    PATH
185
    $PATH
186 CD~
187
    cd ~
188 PATH=PATH:~
189 PATH=PATH/~
190 echo $PATH
191 PATH=PATH:/~
192
    echo $PATH
193
    . .profile
194
    echo "Current time and date is `date`"
195
    date
196
    clear
197
    ls -s cscd240/lab1 almost
198
    clear
199
    ln -s cscd240/lab1 almost
200
    ls
201
    ls -al
202
    clear
203
    cd almost
204 pdw
205
    pwd
206 clear
```

```
207 cd ~
  208 clear
 209 help alias
 210 clear
 211 LA=las -al
 212 clear
 213 LA=`ls -al`
 214 LA
 215
      ls -al
 216
      clear
      LA=`ls -al`
 217
 218
  219
      clear
  220
      ln -s LA etc/ls -al
  221
      which ls -al
 222
      ln -s LA bin/ls/ls -al
      ln -s LA bin/ls/al
 223
      ln -s LA bin/ls/ls -al
 224
      ln -s bin/ls/ls -al LA
 225
 226
      ln -s bin/ls/`ls -al` LA
 227
      cd bin/ls
 228
      cd bin
 229
      cd /bin
 230
      cd /ls
 231
      cd ls
 232
      ln -s /bin/ls LA
 233
      cd ~
 234 ln -s /bin/ls LA
 235
      LA
 236
      ls
      ln -s /bin/ls/`ls -al` LA
 237
 238 ln -s /bin/ls/ls LA
 239
      rm LA
 240 ln -s /bin/ls/ls LA
 241 LA
 242
      rm LA
 243
      alias
      alias /bin/ls/ls LA
 244
  245
      alias /bin/ls LA
  246
      alias bin/ls LA
  247
      alias LA=`ls -al`
 248
      LA
 249
      clear
      echo $PS1
 250
      PS1="prompt : "
 251
 252 PS1="propmt : `date`"
 253
      df
 254 history
254 lines were displayed.
Exicute the last command by typing !254
To modify the amount of commands saved in history type after the other commands
```

in the .bashrc file: set history = #