Lab 3 Bash Script

1. Goal and Deliverables

Getting familiar with Bash Script.

Deliverables: Please answer all of the questions inside this lab report and submit it to the D2L submission folder.

2. Scripting Lab: make a student roster

Write a shell script roster which has the following behavior:

- ./roster new name email   adds an entry to the student roster
- ./roster name   displays the name and email address associated with that name
- ./roster list   displays every entry in the student roster. If the roster is empty, display "roster is empty"
- ./roster rm name   deletes the entry associated with that name ·   ./roster clear deletes the entire roster

3. Submission

Please attach the screenshot for each of the commands above and download the bash script roster.sh to your local machine, then submit it to D2L in the same folder.

Screenshots

./roster new name email

```
root@b40568824fa5:/workdir # chmod +x roster.sh
root@b40568824fa5:/workdir # ./roster.sh new Sean sb963648@wcupa.edu
root@b40568824fa5:/workdir # ./roster.sh new Nancy nancy101@gmail.com
```

./roster name

```
root@b40568824fa5:/workdir # ./roster.sh Sean
Name: Sean
Email: sb963648@wcupa.edu
root@b40568824fa5:/workdir # ./roster.sh Nancy
Name: Nancy
Email: nancy101@gmail.com
```

./roster list

```
root@b40568824fa5:/workdir # ./roster.sh list
Sean:sb963648@wcupa.edu
Nancy:nancy101@gmail.com
```

./roster rm name

```
root@b40568824fa5:/workdir # ./roster.sh rm Sean
root@b40568824fa5:/workdir # ./roster.sh list
Nancy:nancy101@gmail.com
```

./roster clear and ./roster list shows "roster is empty" when the roster is empty

```
root@b40568824fa5:/workdir # ./roster.sh clear
root@b40568824fa5:/workdir # ./roster.sh list
roster is empty
```

To download the file, please open a cmd (windows user) or terminal (mac user), then your scp command. The syntax for scp is:

scp -p portnumber username@147.182.223.56:~/directory/filename destinationDirectory Here

is the example:

```
C:\Users\75LCUI>scp -P 1234 lcui@147.182.223.56:~/bestdayever.sh C:\Users\75LCUI\Desktop\
lcui@147.182.223.56's password:
bestdayever.sh                                    100%  151     6.7KB/s   00:00
```

The file name that I downloaded is bestdayever.sh, it is located under /workdir. Your home folder /home is remapped to /workdir, so if your file is under /workdir, feel free to use just ~/