

## CMPS 150 Workbook: Basic Unix Command Exercises

First, log on to your UCS account and opening a console window. (See Some Unix Help on the CMPS 150 web site [<http://www.ucs.louisiana.edu/~fdd5501/>] and select the link to CMPS 150]). Work the exercises by executing the necessary Unix commands and running the indicated programs.

1. Verify that you are in your home directory.
2. Make the directory *adir* using the following command:

```
mkdir adir
```
3. List the files in the current directory to verify that the directory *adir* has been made correctly.
4. Change directories to *adir*.
5. Verify that you have succeeded in moving to the *adir* directory.
6. Using the *nedit* editor, create the file *testfile* and put your name and address in it. Save the changes and exit the editor.
7. Verify that the file *testfile* exists.
8. List the contents of the file *testfile* to the screen.
9. Make a copy of the file *testfile* under the name *secondfile*.
10. Verify that the files *testfile* and *secondfile* both exist.
11. List the contents of both *testfile* and *secondfile* to the monitor screen.
12. Delete the file *testfile*.
13. Verify that *testfile* has been deleted.
14. Clear the window.
15. Use the "bang" command to re-run the command that verified that *testfile* has been deleted.
16. Rename *secondfile* to *thefile*.
17. Issue the command to find out how large *thefile* is. How big is it?
18. Copy *thefile* to your home directory.
19. Remove *thefile* from the current directory.
20. Verify that *thefile* has been removed.

21. Copy *thefile* from your home directory to the current directory.
22. Verify that *thefile* has been copied from your home directory to the current directory.
23. Change directories to your home directory.
24. Verify that you are in your home directory.
25. Verify that a copy of *thefile* is in your home directory.
26. Remove *thefile* from your home directory.
27. Remove *thefile* from the directory *adir*.
28. Remove the directory *adir* from your home directory with the following command.

```
rm -r adir
```

29. Verify that *thefile* and *adir* are gone from your home directory.

## Further Recommended Exercises:

1. When your class directory link appears in your home directory, work the exercise at the link "How to Survive Writing Your First C++ Programs" on the CMPS 150 web site.
2. If you plan to work at home, practice the steps in the "FTP and Telnet Tutorial" (link on the CMPS 150 web site). This tutorial also has information on good FTP and X-Terminal clients. If you plan to use Linux at home, see the tutorial "Linux slogin" (also linked from the CMPS 150 web site) on how to set up an slogin connection from home.