

Fall 2005: CS 344 - UNIX Operating Systems Fundamentals

Solution Homework - 3

1. *alias lsd='ls -F | grep /'*
2.
 - a. *ls > files; chmod u+w,g+w files (or chmod 664)*
 - b. *chmod 00x files (in this case x can be 1,3,5, or 7)*
 - c. *chmod 644 files or chmod u+rw,go+r files*
 - d. *umask 222 (or 333); ls > listingfiles*
 - e. *NUM_FILES=`ls | wc -l`*
3.
 - a. It runs sleep (for 100 seconds) on the background.
 - b. It splits *file1* into smaller files (10 lines per file) which are named *f+aa*, *f+ab*, ... Finally it merges the smaller files and creates *file2* (the result is the same as copying *file1* into *file2*).
 - c. It changes the permissions so that only the owner (user) can read, write, and execute *myfile* (other users have no permissions over *myfile*).
 - d. It changes the ownership of *myfile* to *user2*.
 - e. It copies *file1* to *file2* maintaining permissions.