

<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">#

Basic Linux (Unix) Commands D.H.McIntosh 02/25/06

#=====

# directories: when you login to an iMac you start at /Users/username/  
mkdir NewDir - makes new directory (i.e., folder) /Users/username/NewDir/  
rmdir NewDir - removes directory NewDir/  
cd NewDir - change to new dir.  
cd .. - go back ("up") one dir.  
cd - return to home dir.  
pwd - shows current dir.  
ls - list contents of dir.  
ls -la - verbose listing

# all files

cp SomeFile NewFile - copies file to another file  
cp SomeFile NewDir/ - copies file to new dir.  
cp Dir/SomeFile . - copies file in Dir to current dir. (.)  
cp ../SomeFile . - copies file in one dir. up to current dir. (.)  
mv SomeFile NewDir/ - moves file to new dir.  
mv SomeFile ../.. - moves file up 2 dirs.  
mv \*.txt NewDir/ - moves all files ending in .txt to new dir.  
rm SomeFile - deletes file  
rm \* - deletes ALL files in dir. (Careful!)  
locate SomeFile - finds dir. location for SomeFile

# ascii (data) and text files

wc -l SomeFile - how many lines in file  
more SomeFile - scroll thru file, carriage return for 1 line at a  
time, space bar for many lines at a time  
tail -9 SomeFile - shows last 9 lines of file  
head -9 SomeFile - shows first 9 lines of file  
grep string File - finds every occurrence of "string" in File

# postscript, PDF, images

open File.ext - displays .pdf, .jpeg, .gif and other format files  
gv File.ps - displays (ghostview) postscript file  
gv File.ps & - display in background, means get prompt back

# executable files: ones that do something

which ExecFile - shows dir. of known executable files  
chmod 754 code.pl - required to make a code executable (necessary only once)  
./code.pl - running an executable like a perl script

# using tar: for making archives of many related files, also used for  
reading/writing tapes

tar cvf TarFile.tar . - copies entire contents of current dir. (.) into  
the tar archive named TarFile.tar  
tar cvf TarFile.tar File1 File3 File11 - puts 3 files in an archive  
tar xvf TarFile.tar - unpacks tar archive  
tar xvfz TarFile.tar - unpacks and unzips gzipped tar archive

# misc.

df -k - shows disk space info in kb  
top - see all running processes  
gzip SomeFile - compresses file, becomes SomeFile.gz  
ungzip SomeFile - uncompresses file  
man <command> - gives the manual page for that command

# external machines

ssh -X User@Machine - login (secure shell) to another machine, will

be prompted for your password; -X means you can  
display files to local monitor

```
scp File User@Machine:~/Dir/    - secure copy File TO Dir on another machine
scp -r Dir/ User@Machine:~/     - secure copy entire Dir TO home dir. on
                                another machine
scp User@Machine:~/Dir/File .   - secure copy File FROM another machine to
                                current machine
passwd                          - change your password
```

# MANY more commands

see <http://www.ss64.com/bash/>

or use [www.google.com](http://www.google.com) to search e.g. "basic linux commands"

</pre></body></html>