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<html><head></head><body><pre style="word-wrap: break-word; white-space: pre-wrap;">#
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Basic Linux (Unix) Commands
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#=====
# 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
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be prompted for your password; -X means you can  
display files to local monitor

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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
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# 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"

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