Computer Programming II
Quick Reference/Bookmark
(BYUH CS201, Jan 2004)

http://gradebot.byuh.edu/

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Tutoring in GCB 101
Hours: Mon-Thu, 3–11:30+ PM
Hours: Fri, 3–8 PM
Hours: Sat, 3–6 PM

ssh: Secure Telnet Client
Connect to **cs.byuh.edu**
Under Microsoft Windows use **ssh**
  (available at gradebot.byuh.edu)

Unix Commands
fg right before logging out
jobs see what jobs are still running
exit or **logout** to log out
passwd change your password
perl abc use Perl to run abc
./abc use the shell to run abc
cat (concatenate) type out a file
ls -l list (long format) the directory
mv move (rename) a file
rm remove (delete) a file
mkdir make a new directory
cd change directory
pwd print working (current) directory
rmdir remove a directory
du disk usage (lists directory tree)
df disk freespace
w see who is logged in

top see why machine is slow
Delete-key delete prior character
Backspace-key not always = delete
info xyz learn how to use xyz
man xyz learn how to use xyz
chmod change permissions on a file

Emacs Commands
emacs (from unix) start the editor
M- (meta) press Esc, then release
C- (ctrl) means hold down Ctrl
C-g abandon the command in progress
C-x C-c exit emacs (see also C-z)
C-h t tutorial: learn emacs better

C-x C-f edit a file (maybe new)
C-x C-s save your changes
C-x C-w write: save-as (rename)
C-x i insert text from another file
C-x b bounce between buffers
C-x C-b see a list of buffers
C-x 1 (one) reduce screen to one window

C-p go to previous line (cursor up 1)
C-n go to next line (cursor down 1)
C-f go forward one position
C-b go backward one position
C-d delete current character
Delete-key delete prior character
C-a go to start of line
C-e go to end of line
C-k kill (cut) to end of line
  kill several times to cut several lines
C-y yank (paste) back what was killed
C-k C-y kill/yank (copy)
C-s search (type one letter at a time)
C-_ undo last change
C-x u undo last change
M-C-f go to matching close paren/brace
M-C-b go to matching open paren/brace
C-l (el) center and redraw screen

Shell Out / Test
C-x C-w myprogram save your file
C-z put something to sleep temporarily
  this is also called "shelling out"
  fg (foreground) wakes it up again
C-x C-c exit emacs permanently
perl myprogram run it (test it)
chmod 750 myprogram make executible
./myprogram run it (if executible)
C-c kill what's running
turnin CS command to turn in a lab
fg foreground: wake up emacs

(obs) Submit via Rmail
M-x rmail (from emacs) do email
q quit rmail, go back to emacs
C-x C-c quit rmail and emacs
m start a new email message
To: GradeBot@gradebot.byuh.edu
Subject: cs201 labname submit a lab
Subject: cs201 status for status report
BEGIN on line before program (optional)
  make sure nothing else is on that line
C-x i insert the program you want to send
END on line after program (optional)
  make sure nothing else is on that line
do **not** use any attachments
do **not** use any fancy encoding
C-c C-c send the message
after sending wait five seconds...
g get new mail
C-s ### search for trouble
C-l (el) stop the search right here
n go to next message
p go to previous message
d delete current message
u undelete prior deleted message
c continue editing an email
C-x 1 (one) reduce screen to one window
C-x 2 split screen into two windows
C-x o jump to next (other) window