Computer Programming I
Quick Reference / Bookmark
(BYUH, IS 230, Winter 2000)

Professor

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Ewan/Telnet

I assume you are using Microsoft Windows.
If available use **ewan**, else use **telnet**.
Connect to **is230.byuh.edu**
First Time Login: **new**

This creates your account.

nwclient (NetWare Client)

This makes you able to print.

If you have trouble, talk to me or the TA.

Unix Commands

passwd change your password
emacs filename edit filename
gcc Gnu C Compiler
gcc abc.c -o abc compile abc.c
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
exit log out
logout log out

Delete-key delete prior character
Backspace-key not always = delete

Emacs Commands

M- (meta) means press Esc first
C- (ctrl) means hold down Ctrl
C-h t read the emacs tutorial
C-p previous line (cursor up 1)
C-n next line (cursor down 1)
C-f cursor forward one position
C-b cursor back one position
C-d delete current character
Delete-key delete prior character
C-a jump cursor to start of line
C-e jump cursor to end of line

C-l (el) center and redraw screen
C-k delete (cut) to end of line
  do it several times to get several lines
C-y yank back (paste) what was deleted
C-g cancel the command in progress
C-s search (type one letter at a time)
C-_ undo last change
C-x u undo last change
C-x C-s save (often)
C-x C-w save-as (rename)
C-x C-f edit a different file
C-x i insert a different file
C-x C-i not same as **C-x i**
C-x C-c exit emacs

Compiling/Testing

C-x C-w dem1-1.c save your file
C-z shell out to the command line
gcc dem1-1.c -o demo compile
demo run it
nwprint gcb150 dem1-1.c print it
nwprint gcb150 dem1-1.c 1 bigger
fg return to emacs (foreground)

Submitting/Rmail

M-x rmail run mail from emacs

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m start a message
C-x 1 (one) reduce screen to one window
C-x i insert the program you want to send
To: GradeBot@gradebot.byuh.edu
Subject: is230 labname submit a lab
Subject: is230 status for status report
BEGIN on line before program (optional)
END on line after program (optional)
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
n go to next message
p go to previous message
d delete current message
c continue editing a message
C-x 2 split screen into two windows
C-x o jump to next (other) window

to cut and paste from an email message...
e go into email edit mode
C-x b jump between buffers
C-c C-] end edit mode, no changes
C-c C-c end edit mode, keep changes
q quit rmail, go back to emacs

Required Changes

Declare "main" to return an int.
    int main (...
Make your output end on a fresh line.
    printf("\n"); (if needed)
Make your exit status informative.
    return 0; (from main)
GradeBot may want different wordings.

Teaching Assistant

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