CS Tutoring Help

Your friends in need.
Hours:

- Monday – Friday
  - 11:00 AM – 6:00 PM
- Saturday
  - Noon – 5:00 PM

Note: hours apply during finals week
Contact:

- Email: tutors@cs.pdx.edu
- Phone: 503-725-4056
- IRC Chat: irc.cat.pdx.edu
  - channel #CSCHAT
Web Sites:

- Tutors
  - www.cat.pdx.edu/tutors
- ACM
  - www.acm.pdx.edu
- CAT
  - www.cat.pdx.edu
Tips and Tricks
Contributed by Sean Brown
Thursday, 13 April 2003

Vi Macros - A quick Look

Submitted by Sean Brown

Vi macros can be very useful for coding. They can be used to automatically print out a skeleton for
classes, (include in C/C++) and whatever else you want with just a few keystrokes. Just open up
the source file or create your own file and use the map command. Here is an example of how to
output an int main in C/C++ when you type in "map"
during command mode:

map !qq ^f{list main}int argo, char* argv[1]//X("\n"

This mess needs an explanation and, believe it or not, this is a lot
easier than it looks. I'll skip the map !qq portion because they were
mentioned above. The ^f{list main} portion is actually three things at once. ^f is the echo character, the \n is just a newline (used to enter text-insert mode)
and int is the return type for main. This is equivalent to manually typing in
echo "\n" and int into vi. If you don't want to remember the ^f, then just
remember echo, For those who don't know, echo and asc will print ^f
and vi knows that ^\n is the echo key.

Let's continue. The vi macro echo, argo[1] is just C/C++ syntax. ^\n
is a carriage return. The curly brackets are just C/C++ open and closed curly
brackets.

If you didn't put your macros in the vi resource file then you can load
your macros into vi by going to the text buffer and typing the source
Lectures & Workshops:

- **Introduction Computer Science at PSU**
  - Monday 4/5 @ 11:00am
  - Wednesday 4/7 @ 1:00pm

- **Introduction to Unix for Windows Users**
  - Tuesday 4/6 @ 12:00 noon
  - Tuesday 4/6 @ 2:00pm

- **Meet the "Editor": Unix Text Editors**
  - Tuesday 4/6 @ 1:00pm
  - Thursday 4/8 @ 4:00pm (focus on Vim)
Lectures & Workshops:

- **The GNU Debugger (GDB) and Make**
  - Monday 4/5 @ 4:00pm
  - Thursday 4/8 @ 11:00am

- **Valgrind**
  - Friday 4/9 @ 4:00pm

More Information Available At

http://cat.pdx.edu/tutors.html
Location:

Come in through the EB front doors. Take either the stairs or the elevator to the Lower Level. Go through the double doors in the north-east corner of the atrium, go straight ahead through the glass door.
Location:

- Enter EB through the front doors on SW 4th Ave.
- Go down to the Lower Level Atrium
- Go east through the doors
- Use card reader to enter
Apply to be a CS Tutor

- Students who have finished CS 202 are eligible to apply
- Openings are posted to msgs and around FAB
- Application is on the tutor Web site
Fri Oct 9 in EB102 at 6pm
theCAT Braindump
It's where TheCAT teaches you everything they know about running the systems and networks in the College (and OIT).
What's in it for me?

- Learn about Windows, Solaris and Linux.
- Learn about networking.
- Installing, configuring and maintaining systems.
- Software builds.
- Software development.
- Dealing with users.
- Dealing with scale.
- Over a year's worth of free training.
- Become The Whole Sysadmin.
- Killer resume fodder.
Be a PSU student.

Have enthusiasm, drive and a willingness to learn (quickly).

Love computers.

Want to know more about what it takes to make them work.

Good social skills. (It's a team, remember?)
We will talk about who we are, what we do, the Braindump, what it takes and The Deal. You will hear from people who took the challenge and find out where it took them. See if you have what it takes.

Friday, October 8th, in EB102 at 6pm.

For more info: cat.pdx.edu/bd.html
What we do:
Where:
When:

4:00 PM

Every Friday!

Other info:

http://acm.pdx.edu
Thank-you!

Good Luck!

Questions?