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**

**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, `int main()` in C/C++ and whatever else you want with just a few keystrokes. Just open up the `.exrc` file or create your own file and use the `map` command. Here’s an example of how to output an int main in C/C++ when you type in `ex` during command mode:

```
map ex '[:set nocompatible c EX Chambery arg[0][M]%]
```

This macro needs an explanation and, believe it or not, this is a lot easier than it looks. I’ll skip the `:map` portion because they were mentioned above. The `[:set nocompatible c EX Chambery arg[0][M]%]` is actually three things at once. `[:set nocompatible c` is the ascii character, the `:` is just an `:` (used to enter text-enter mode) and `EX` is the return type for `main`. This is equivalent to manually typing in `:ex`, `:set`, `nocompatible`, `c`, `: Chambery`, `arg[0]`, `v` and `EX` (w/ escape) if you don’t want to remember the `:` then just remember `cEX`. For those who don’t know, `dr` and `ex` will print `[^` and `vi` knows that `[^` is the ascii key.

Let’s continue. The `[:set nocompatible c EX Chambery arg[0][M]%]` is just C/C++ syntax. `[^` 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 `.exrc` requires file then you can load your macros into `ex` by going to the text buffer and typing the source.
Lectures & Workshops:

- Introduction to CS at PSU
  - Tuesday 10/13 @ 2:00 PM – FAB 88-09
  - Thursday 10/15 @ 2:00 PM – FAB 88-09

- Introduction to GDB & MAKE
  - Tuesday 10/20 @ 2:00 PM – FAB 88-09
  - Thursday 10/22 @ 2:00 PM – FAB 88-09

- More to come . . .
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.
What do I need to join?

- 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?)
What happens at the Braindump Orientation?

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 9th, 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?