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
CS Tutors

Mission
The Tutors have been hired by the Computer Science Department to help students with coursework, programming, and the local computing environment. The Tutors are computer science students that have strong communication skills and a demonstrated mastery of the basic undergraduate computer science curriculum. The mission of this team is to provide a positive work environment for our peers by sharing our experience as undergraduate Computer Scientists.

Headquarters
The Computer Science Lab is located in FAB (Fourth Avenue Building) in room 35-17. The tutors, themselves, are also located in FAB, room 36-06. Here is a map to both locations.

The tutor’s office phone number is (503) 725-5420. Since the Computer Action Team has graciously allowed us to share office space with them, most likely someone from the Computer Action Team will answer (or a tutor will answer saying that you have just called the Computer Action Team). Simply ask for a tutor and you will be handed over to one.

You may send mail to tutors at: tutors@cs.pdx.edu.

The Tutor Supervisor is Sam McHargre.

The Lab Library: contains many reference manuals and technical books, videos and other resources covering many facets of computer science.

IRC Chat
We will now answer questions online at: irc.cat.pdx.edu on the [IRC chat channel] #CSCHAT.
**Tips and Tricks**

Submitted by Sean Brown

**Vi Macros - A quick Look**

Vi macros can be very useful for coding. They can be used to automatically print out a skeleton for classes, including in C/C++ and whatever else you want with just a few keystrokes. Just open up the .exe 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 `#` during command mode:

```
map !qq ^[iset exit]exit arg0; char arg0[^2][^[^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 `^[iset exit]exit arg0; char arg0[^2][^[^N] portion is actually three things at once - `^[iset` is the esc character, the `^` is just an (used to enter text-insert mode) and `exit` is the return type for main. This is equivalent to manually typing in `exit;` and `int` into vi. If you don't want to remember the `^[iset` then just remember `[^2][^[^N]`. For those who don't know, `^[iset` and `^[N] will print `[^2][^[^N] and `^[iset` knows that `^[N] is the esc key.

Let's continue. The `^[iset exit]exit arg0; char arg0[^2][^[^N] is just C/C++ syntax. `^[iset` 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 .exe file then you can load the macros into vi by going to the text buffer and typing `source vi-macro.txt`. You can also use `source vi-macro.csh` or `source vi-macro.pl` depending on what your shell is.

*Note: This tip is for vi users. If you're a more advanced user, you might want to look into a more advanced editor like Emacs or TextMate.*
Lectures & Workshops:

- Introduction to CS at PSU
  - Tuesday 10/07 @ 4:00 PM – FAB 88-09
  - Thursday 10/09 @ 4:00 PM – FAB 88-09

- Introduction to GDB & MAKE
  - Tuesday 10/14 @ 4:00 PM – FAB 88-09
  - Thursday 10/16 @ 4:00 PM – FAB 88-09

- More to come . . .
Location:
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 10 at 6pm in Rm EB102
theCAT Braindump
For more info: cat.pdx.edu/bd.html
What is the 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?)
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 10th, in EB102 at 6pm.

For more info: cat.pdx.edu/bd.html
What we do:
Where:
FAB 88-01
When:

4:00 PM
Every Friday!

Other info:
http://acm.pdx.edu
Thank-you!
Good Luck!
Questions?