

Useful *Linux* Commands for everyday use

Type each of these commands at the prompt.

alpine	starts up the pine email software
exit	log out of your cobra account
passwd	change your <i>Linux</i> account password
ls	provides a listing of the files in the current directory
finger user	check on another user to see when the last time they logged in and read their email
finger	get a listing of all students and faculty currently logged into cobra
chfn	change your finger information
clear	clear your screen
write user	send a quick message to a user's screen
mesg n	turn the ability of someone to send a message to you off (mesg y turns it back on)
ssh	log on securely to a remote computer
ftp	download a file from a remote computer (e.g., ftp cobra)



Connecting to your account from outside



FOR SOME GREAT & FREE TELNET SOFTWARE DOWNLOAD MOBAXTERM FOR YOUR HOME COMPUTER

Goto <http://mobaxterm.mobatek.net/> to download some free telnet software. Mobaxterm is secure ssh software that allows you to telnet into your account.

When you first use it, you will want to add **cobra.cs.mercer.edu** as a saved session. To do this, type this name into the New session window. It should be ready for you to click on and connect now.

FOR FTP ACCESS TO YOUR FILES

To connect to your account from other locations on campus to upload or download files, simply open up the world wide web browser and type in the address <ftp://cobra.cs.mercer.edu>. Right click on the white portion of the window, select Login As, and it will prompt you for your login name and password. You can then easily move or add files to your area, and access your directories like folders

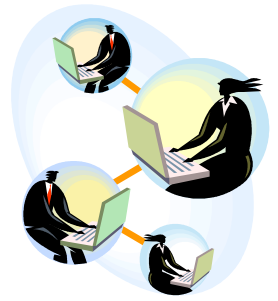
DEALING WITH SWAP FILES

What do I do if I get a swap file error message when I try to vim my program? Once in a while, you may get an ugly message like this :

```
E325: ATTENTION
Found a swap file by the name ".Hello.java.swp"
   owned by: digh_a   dated: Wed Sep 10 20:18:08 2013
   file name: ~digh_a/CSC245/Labs/Lab3/Hello.java
   modified: no
   user name: digh_a   host name: cobra.cs.mercer.edu
   process ID: 1686
```

If this occurs, do not panic. Somehow you were editing a file, and got kicked out of the editor for some reason. To get rid of this message, hit O to open, and then :q! to exit.

Now, type rm followed by a dot followed by a tab several times. Look for your program name, with a dot preceding it and a .swp attached to it. You want to delete this file from your account (e.g., rm .Hello.java.swp). Now, return to the editor normally, and this error should go away.



Useful *Linux* commands for creating software

vim Filename.java	create/edit Filename.java using the vim editor
javac Filename.java	compiles Filename.java
java Filename	executes program Filename
cat Filename.java	displays Filename.java
script	creates a transcript file of all commands typed in and their result
mkdir Prog1	creates a new directory named Prog1
cd Prog1	changes into the Prog1 directory below the current directory
cd ..	moves up one level above the current directory
rm Filename.java	deletes Filename.java
mv file1 Lab1	move command – moves file1 into directory Lab1
cp file1 file2	copy command -- duplicates file1 and names it file2
lpr -P<lab> Filename.java	prints Filename.java to the designated lab. For example, lpr -Plab200 would send a file to the printer in lab 200.

Time Saving Type Savers

Bang Command ! letter	The command !j would tell the system to execute the last command that started with a j (e.g. javac Filename.java)
Filename Completion Escape Key	If you type javac F<TAB>, the system will search for the file in the current directory that starts with a F and try to complete your command for you.

Useful commands for the vim editor



Vim has two modes – typing mode and command mode. You are automatically in command mode when you open a file. You get into typing mode by typing an i, a, or o as described below. Important: To get out of typing mode, you must hit the Escape key. This allows you to then enter any of the commands listed below. You can use your arrow keys to move around in your document only in command mode.

<code>:w</code>	save a file
<code>:wq / *hold shift*zz</code>	save a file and exit
<code>:q!</code>	exit without saving changes
<code>G</code>	goto the end of a file
<code>#G</code>	goto to line number #. For example, 5G would go to line 5.
<code>i</code>	begin typing at current location
<code>a</code>	begin typing one character past the cursor (very handy for adding on to the end of a line)
<code>o</code>	opens up a line below your current location and puts you in open mode
<code>cw</code>	change a word (just place the cursor on the first letter of a word, type cw, and its modification)
<code>dw</code>	deletes a word
<code>dd</code>	deletes a line
<code>x</code>	deletes a single character
<code>r</code>	replace a character
<code>yy</code> <code>#yy</code>	copies (yanks) a single line and puts it into the clipboard copies # lines and puts them into the clipboard (e.g., 5yy copies 5 lines down starting at the current line)
<code>p</code>	paste the current contents of the clipboard