**OS/Shell Information:**

**exit** Allows user to log off of Linux.

**logout** Alternate - allows user to log off Linux.

**date** Prints the date and time on the screen.

**File Commands**:

**ls** List files in directory. (**ls c\***  would list files that start with “c”.)

Format: **ls** [*options*] [*file-list*]

**ls** **options**:

**-a** List all files, including hidden ones.

**-d** List directory names only, not ordinary files.

**-g** Show group information with listing.

**-l** Show long listing with extended information.

**-r** List in reverse order.

**-s** List in order of increasing size.

**-t** List in order of time, most recent first.

**cd directory-name** Move from current directory to a sub directory.

**cd** Return to home directory.

**cp** Copy a file. Format: cp *source-file target-file*

**mv** Move or rename a file. Format: mv *source-file target-file*

**rm** Remove a file. Format: rm [*option*] *file(s)*

Option: **-i** Ask before deleting. (Some systems set this to default.)

**rmdir** Remove empty directory.

**cat** Display or create files. Format: cat [*source-file*] [*symbol*] [*target-file*]

Examples Result

cat this.month File displayed on screen.

cat Lines echo on screen

cat oldfile1 oldfile2 > new.file Lines sent to redirected file

**VIM Information:**

***File Commands***:

:q! To exit VIM and abandon any changes you have made to the file.

**ZZ** To exit VIM saving any changes to the file and return to the shell

prompt.

**:wq** To exit VIM, write the changes to the file, and return to the

shell prompt.

***Alternate ways of entering VIM***:

**vim *file-name***  Edit named file.

**vim + *n file-name*** Edit named file starting at line **n**.

**vim + *file-name*** Edit named file starting at last line.

**vim + /*string file-name*** Edit named file starting at first occurrence of string.

**vim -r *file-name*** Edit named file starting at first occurrence of string.

* More on next page

***Various VIM Modes***:

**Command mode** - Commands that require a colon (:). In Command Mode you

may use the arrow keys to move around.

**Insert mode** – Type **i** for **i**nsert mode**.** To leave Insert Mode, press **Escape.**

- Type **a** for **a**ppend mode**.** To leave Append Mode, press **Escape.**

**VIM Cursor Movement Commands**:

**SpaceBar** Forward one character position.

**l** Right (forward) one character position.

**h** Left (backward) one character position.

**j** Down to same position in line below; moves left to last position.

**k** Up to same position in line above; moves left to last position.

**w** Forward to first letter of next word.

**W** Forward to first letter of next blank-delimited word.

**b** Backward to first letter of previous word.

**B** Backward to first letter of previous blank-delimited word.

**Return** Forward to beginning of next line.

**0** Back to beginning of current line. (It’s a zero.)

**$** End of current line.

**(** Back to beginning of current sentence.

**)** Ahead to beginning of next sentence.

{ Back to beginning of current paragraph.

**}** Ahead to beginning of next paragraph.

**H** Home, or left end of top line on screen

**M** Middle, or left end of middle line on screen.

**L** Lower, or left end of lowest line on screen.

**G** Last line in work buffer.

***n*G** Indicated relative line *n* in buffer.

**Ctrl-U** Up half screen.

**Ctrl-D** Down half screen.

**Ctrl-F** Forward (down) almost a full screen.

**Ctrl-B** Backward (up) almost a full screen.

***Inserting Text***:

**i** Insert before Cursor

**I** Insert before first nonblank character on line.

**a** Insert after character.

**A** Insert at end of line

**o** Insert on next line down (open a line).

**O** Insert on next line up (open a line).

***Deleting Text***:

**x** Character at cursor.

**X** Character following cursor .

**dw** To end of word.

**dW** To end of blank-delimited word.

**db** To beginning of word.

**dB** To beginning of blank-delimited word.

**d *then* Return** Two lines; current and following.

**dd** Current line.

**d0** To beginning of line. (Use zero)

**D** To end of line.

**d)** To end of sentence

**d(** To beginning of sentence.

**d}** To end of paragraph

**d{** To beginning of paragraph.

***Changing or Replacing Text***:

r replace character at cursor.

R Replace characters until Escape

is pressed.

cw To end of word.

cW To end of blank-delimited word.

cb From beginning of word to

cursor.

cB From beginning of blank-

delimited word to cursor.

cc Current line.

c0 From beginning of line to cursor.

c$ To end of line.

C To end of line.

**c)** To end of sentence.

**c(** From beginning of sentence to

cursor.

**c}** To end of paragraph.

**c{** From beginning of paragraph to

cursor.

***Undoing an Edit***:

**u** Undoes the most recent change. Must be out of Insert Mode.

**U** Restores the current line to the way it was before making changes.

***vim Search Commands***:

***/string*** followed by **Return** Search forward in work buffer.

**?*string*** followed by **Return** Search backward in work buffer.

**n** Find next string in same direction.

**N** Find next string in opposite direction.

***vim Search string special characters***:

**^** Beginning of line.

**$** End of line.

**.** Matches any character

**\>** Match the end of a word.

**\<** Match beginning of word.

**[ ]**  Match any character within brackets.

***vim Yank Commands***:

*Command Text “yanked”*

**yw** To end of word.

**yW** To end of blank-delimited word.

**yb** To beginning of word.

**yB** To beginning of blank-delimited word.

**y** *followed by* ***Return*** Two lines, current and following.

**yy** Current line.

**y0** To beginning of line. (Use zero)

**Y** To end of line.

**y)** To end of sentence

**y(** To beginning of sentence

**y}** To end of paragraph.

**y{** To beginning of paragraph.