

**Appendix  
B**

**VI SUB  
COMMANDS**

*Get on the  
Fast Track!*



TM

**SYS-ED/  
COMPUTER  
EDUCATION  
TECHNIQUES, INC.**

**Inserting Text**

a	Add after cursor
A	Add to end of line
i	Insert before cursor
I	Insert before 1st non-blank
o	Open a line Below cursor
O	Open a line Above cursor

# before insert adds that # of inserted text.

**Input Mode Commands**

<esc>	Leave Input Mode
<backspace>	Erase character
<erase>	Erase character
<ctrl> w	Erase last word
<ctrl> d	Backtab over autoindent
^ <ctrl> d	No autoindent for this line
0 <ctrl> d	Remove autoindent
<ctrl> v	Next char. is control char.
<ctrl> i	Insert tab
<CR>	Start a new line
\	Escape erase character

#'s can be placed before all commands.

## Command Mode

l o <spacebar>	Moving Right
h » <backspace>	Moving Left
k f	Moving Up
j " <return>	Moving Down
w	1 word forward (punct)
W	1 word forward (space)
b	1 word backwards (punct)
B	1 word backwards (space)
e	End of current word (punct)
E	End of current word (space)
fx	Forward to n'th x in line
Fx	Backward to n'th previous x
tx	Forward before n'th x
Tx	Backward after n'th x
#	Current line
H	Top line on screen (n below)
M	Middle line (n does nothing)
L	Last line (n above)
G	End of file (line n in file)
0	Beginning of line
\$	End of line (n-1 lines down)

<ctrl>f	Forward one page
<ctrl>b	Back one page
<ctrl>d	Scroll down half page
<ctrl>u	Scroll up half page
<ctrl>e	Scroll single line
<ctrl>g	Display file info

**Deleting Text**

Usage:	d # Object
Exceptions	
#dd	Delete # lines
#x	Delete # character to right
d#<space>	Same as above
#X	Delete # character to left
#D	Delete rest of line
"bdd	Delete line into buffer b
"Bdd	Append line into buffer b

**Undo, Redo, Retrieve**

u	Undo last change
U	Restore last change
.	Repeat last change
"np	(9 numbered buffers) for the current file only
"bp	Retrieve buffer contents (26 letter buffers) for multiple file use

**Copying and Moving Text**

Usage	Operator # Object
y	Yanks object into buffer
p	Puts buffer after cursor
P	Puts buffer before cursor
Exceptions	
nyy or ny	Yank in unnamed buffer
"bY	Yank copy in buffer b
"bp	Puts buffer b after cursor
"BY	Append copy to B buffer

**Reversing**

xp	Reverse order of 2 letters
dwwp	Reverse order of 2 words
ddp	Reverse order of 2 lines

**Changing & Replacing Text**

.	Repeat last change
n.	Repeat last n times
rc	Replace character with c
nrc	Replace n character with c
R	Overwrite until <esc>
nR	Insert n copies of R

:s/X/Y/opt	Substitute string Y for X
opt formed from:	
g	Change all on line
c	Confirm changes
p	printf lines changed
&	Repeat last :s
:g/X/cmd	Run cmd on lines that match string X
:g/X/s//Y/opt	Global change X to Y

**Saving Your Place**

mx	Mark current cursor position with character X
'x	Move to blank character of mark x
"	Move to 1st non-blank in previous changed line
`x	Move to marked x
"	Return to previous place after command

**Mapping**

:map F# Op	Op consists of valid commands; F# is the quick way
:map! F# Op	Insert and command mode
:unmap F#	End specific map
:map	Display created maps

F# can be Function Keys, K,V,g,q,v,=, or \*

**Searching Text**

/pat<cr>	Search forward for pat
?pat<cr>	Search backward for pat
//	Last regular expression
/pat;/;/	Find 3rd occurrence of pat
n	Repeat in same direction
N	Repeat opposite direction
/ <cr&gt;< td=""> <td>Repeat forward</td> </cr&gt;<>	Repeat forward
?	Repeat backwards

**Searching Patterns**

^	Beginning of line
\$	End of line
\	Escape next character
\\	Escpae \

The following work if magic option is set.

.	Any character
*	0 or more occurrence of previous character
[A-Z]	Matches any character in []'s (ex. A thru Z)
[abc]	Matches any character except a, b, or c
[^abc]	Matches any character except a, b, or c
\(..\)	Mark part of replacement
\<	Beginning of word
\>	End of word

**Patterns in Replacement String**

&	Entire string found
\n	n'th marked pattern
\u	Make next character Upper
\l	Make next character Lower
\U	Character Upper until \e or \E
\L	Character Lower until \e or \E
\e or \E	Turn of \U or \L

**Screen Display**

<ctrl>l or <ctrl>r	Clear and redraw
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**Setting Options**

Usage:	
:set option-name	Set option
:set noption-name	Unset option
:set option-name?	Show settings
:set all	Prints all option settings

Options only last for that session.

**Options**

autoindent(ai)	Indents automatically
autoprint(ap)	print after d c J m s t u
directory(dir)	Specify buffer file dir
errorbells	Precede error w/ bell
hardtabs(ht)	Set terminal tabs
list	Show tabs (^I), eol(\$)
magic	Allow metacharacters
mesg	Allow write from users
number	Prefix lines with numbers
readonly(ro)	Change status to ro
tabstop(ts)	Tab stops for text input
term	Name of terminal
wrapmargin(wm)	Lines broken at least n spaces from right
wrapscreen(ws)	Searches wrap around

**Saving, Editing and Leaving**

:w [file]	Save file, remain in file
:w >> [file]	Append to file
:w! [file]	No checking, just save
:e [file]	Edit file
<ctrl>^	Edit last file edited
:n	Edit next file in list
:r [file]	Read in and insert file
:q	Exit from vi
:q!	Exit, don't save change
:wq [file]	Save and Exit
:wq! [file]	No checking, just S&E
:x [file]	Save and Exit
ZZ	Save and Exit