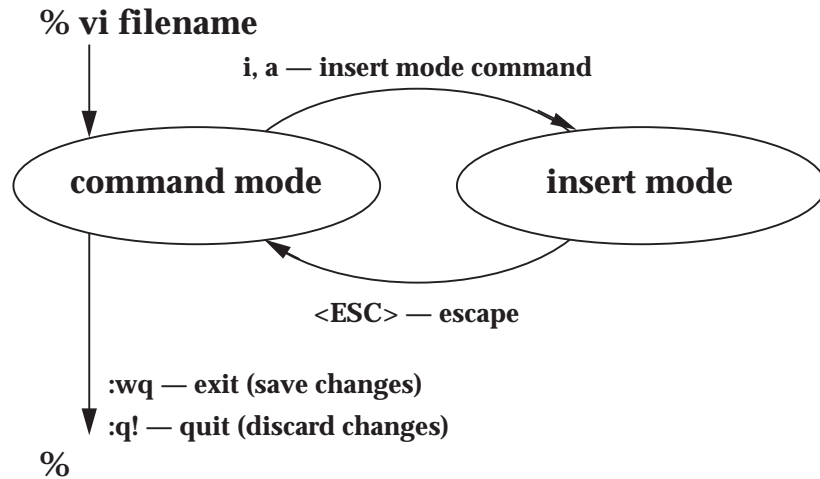


vi Cheat Sheet

Editing Modes

Command mode
Insert mode

Keystrokes used as commands
Characters inserted into file



Invoking and Terminating

Invoking	% vi filename Make sure terminal setup is correct (% set term=vt100) % vi -R filename invoke vi in read only mode
Terminating	:wq exit vi, saving changes :q! quit vi, without saving changes
Recovering Lost Editing Sessions	% vi -r filename recover file after system crash % vi -r list all recoverable files
Initialization	.exrc file containing ex commands to be executed upon startup EXINIT environment variable containing vi commands to be executed upon startup

Cursor Movement

Moving by characters	h (or backspace) move left one character j move down one line k move up one line l (or space) move right one character Arrow keys may also be used
Moving by lines	1G go to first line nG go to nth line G go to last line ^ go to beginning of line \$ go to end of line
Moving by words	w go forward one word b go backward one word
Scrolling	Ctrl-f scroll forward one screen Ctrl-b scroll backward one screen Ctrl-d scroll down one half screen Ctrl-u scroll up one half screen

Inserting Text

Inserting Text	The following commands place you in insert mode: i insert text before cursor a append text after cursor I insert text at beginning of line A append text at end of line o start adding text in new line below present line O start adding text in new line above present line Use Escape to return to command mode
Replacing Text	r char substitute char for character under cursor R overwrite old text (end with Esc) w change current word to new word (end with Esc)
Setting Margins	:set wrapmargin=x Sets right margin to x, automatic word wrap

Deleting, Copying, and Pasting Text

Deleting Text	x dd nnd ndw d\$ d^ dG d!G	delete character at cursor delete line delete <i>n</i> lines delete <i>n</i> words delete to end of line delete to beginning of line delete to end of file delete to beginning of file
Copying Text	yy nyy yw nyw	yank current line into buffer yank <i>n</i> lines into buffer yank word yank <i>n</i> words
Pasting Text	p P	put most recently deleted or yanked characters or words after cursor; put lines below current line put most recently deleted or yanked characters or words before cursor; put lines above current line

Searches and Substitution

Simple Searches	/string ?string n N	search forward for <i>string</i> search backward for <i>string</i> repeat search repeat search in opposite direction
Global Search	:g/string/command :v/string/command	execute <i>command</i> on lines containing <i>string</i> execute <i>command</i> on lines not containing <i>string</i>
Substitution	:x,ys/oldstring/newstring/flags c g Range specifiers: . \$ %	Substitutes <i>newstring</i> for <i>oldstring</i> in line range <i>x,y</i> . <i>flags</i> (optional): wait for confirmation (y or n) replace all occurrences within specified lines (default is to replace only first occurrence) Range specifiers: current line last line entire file

Searches and Substitution (cont.)

Special Characters	[ccc] [^ccc] [c1-c2] ^ \$. * .*	matches any specified character matches any character except those specified matches any character in range matches beginning of line matches end of line matches any one character matches zero or more occurrences of previous character matches any number of characters
Case Sensitivity	:set ignorecase :set noic	disable case sensitivity enable case sensitivity

Miscellaneous Commands

Shell Commands	!:command :sh :r !command	execute <i>command</i> invoke subshell; use the <code>exit</code> command to return to vi insert output of <i>command</i> below current line
Undoing Commands	u U	undo last change undo recent changes made to current line
Repeating Commands	.	repeat last command that made an editing change
Reading in Files	:r filename	insert <i>filename</i> below current line
Joining Lines	J	join next line to current line
Line Numbers	Ctrl-g :set number :set nonumber	display current line number and number of lines in file display line numbers remove displayed line numbers
Screen Refresh	Ctrl-l	refresh screen