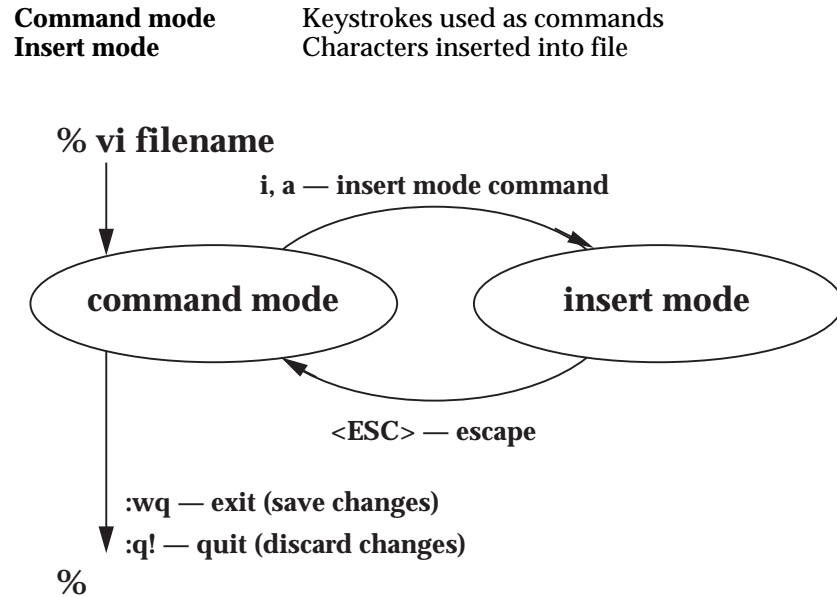


# vi Cheat Sheet

## Editing Modes



## Invoking and Terminating

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

## Cursor Movement

<b>Moving by characters</b>	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
<b>Moving by lines</b>	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
<b>Moving by words</b>	w      go forward one word b      go backward one word
<b>Scrolling</b>	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

<b>Inserting Text</b>	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
<b>Replacing Text</b>	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)
<b>Setting Margins</b>	:set wrapmargin=x  Sets right margin to x, automatic word wrap

## Deleting, Copying, and Pasting Text

<b>Deleting Text</b>	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
<b>Copying Text</b>	yy nyy yw nyw	yank current line into buffer yank <i>n</i> lines into buffer yank word yank <i>n</i> words
<b>Pasting Text</b>	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

<b>Simple Searches</b>	/string ?string n N	search forward for <i>string</i> search backward for <i>string</i> repeat search repeat search in opposite direction
<b>Global Search</b>	:g/string/command execute <i>command</i> on lines containing <i>string</i> :v/string/command execute <i>command</i> on lines not containing <i>string</i>	
<b>Substitution</b>	:x,ys/oldstring/newstring/flags Substitutes <i>newstring</i> for <i>oldstring</i> in line range <i>x,y</i> . <i>flags</i> (optional):  c wait for confirmation (y or n) g 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.)

<b>Special Characters</b>	[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
<b>Case Sensitivity</b>	:set ignorecase  :set noic	disable case sensitivity enable case sensitivity

## Miscellaneous Commands

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