

## Modes & Controls

**Command Mode** ESC (commands preceded by :)

**Insertion Mode** Entered on insertion or change

### Starting VI (command line)

<b>vi &lt;filename&gt;</b>	Edit <i>filename</i>
<b>vi -r &lt;filename&gt;</b>	Edit last version of <i>filename</i> after crash
<b>vi + n &lt;filename&gt;</b>	Edit <i>filename</i> at line <i>n</i>
<b>vi + &lt;filename&gt;</b>	Edit <i>filename</i> at end of file
<b>vi +/str &lt;filename&gt;</b>	Edit <i>filename</i> at first occurrence of <i>str</i>

In insertion mode the following should be preceded by ESC:

<b>:w</b>	Save
<b>:x</b>	Save & Exit
<b>:q</b>	Exit if no changes made
<b>:q!</b>	Exit & discard any changes

## Cursor Navigation

<b>h</b> or ◀	Cursor left
<b>j</b> or ▼	Cursor down
<b>k</b> or ▲	Cursor up
<b>l</b> or ▶	Cursor right
<b>w</b>	Next word
<b>W</b>	Next blank delimited word
<b>b</b>	Start of word
<b>B</b>	Start of blank delimited word
<b>e</b>	End of word
<b>E</b>	End of blank delimited word
<b>(</b>	Back a sentence
<b>)</b>	Forward a sentence
<b>{</b>	Back a paragraph
<b>}</b>	Forward a paragraph
<b>0</b>	Beginning of line
<b>\$</b>	End of the line
<b>1G</b>	Start of file
<b>G</b>	End of file
<b>:n</b>	<i>n</i> th line of file
<b>f&lt;char&gt;</b>	Forward to <i>char</i>
<b>F&lt;char&gt;</b>	Back to <i>char</i>
<b>H</b>	Top of screen
<b>M</b>	Middle of screen
<b>L</b>	Bottom of screen
<b>%</b>	Matching bracket
<b>gg</b>	Start of document

## Inserting Text

<b>i</b>	Insert before cursor
<b>a</b>	Append after cursor
<b>I</b>	Insert before line
<b>A</b>	Append after line
<b>o</b>	Add new line after current line
<b>O</b>	Add new line before current line
<b>r</b>	Overwrite one character
<b>R</b>	Overwrite many characters
<b>:r &lt;file&gt;</b>	Reads <i>file</i> and inserts it after this line
<b>p</b>	Put after the position or line
<b>P</b>	Put before the position or line
<b>C</b>	Rewrite the whole line

## Deleting Text

<b>x</b>	Delete character to right of cursor
<b>X</b>	Delete character to left of cursor
<b>D</b>	Delete the rest of line
<b>dd</b> or <b>:d</b>	Delete current line
<b>ndw</b>	Deletes the next <i>n</i> words
<b>ndb</b>	Deletes the previous <i>n</i> words
<b>ndd</b>	Deletes <i>n</i> lines starting with current
<b>:x,yd</b>	Delete lines <i>x</i> through <i>y</i>
<b>:r &lt;file&gt;</b>	Reads <i>file</i> and inserts it after this line
<b>d{nav_cmd}</b>	Overwrite many characters
<b>:r &lt;file&gt;</b>	Reads <i>file</i> and inserts it after this line

## Searching

<b>/string</b>	Search forward for string
<b>?string</b>	Search backwards for string
<b>n</b>	Go to next match
<b>N</b>	Go to previous match
<b>:set ic</b>	Ignore case while searching
<b>:set noic</b>	Case-sensitive searching
<b>:set nu</b>	Turn on line numbers
<b>:x,yg/str</b>	Search for <i>str</i> from line <i>x</i> to line <i>y</i>
<b>:g/str/cmd</b>	Run <i>cmd</i> on lines containing <i>str</i>
<b>*</b>	Search for next instance of current word
<b>#</b>	Search for last instance of current word

## Replacing

<b>:s/pt/str/flag</b>	Replace pattern with string
<b>Flags</b>	
<b>g</b>	Replace all occurrences of pattern
<b>c</b>	Confirm replaces
<b>&amp;</b>	Repeat last <i>:s</i> command

## Other

<b>u</b>	Undo last change
<b>J</b>	Join lines
<b>nJ</b>	Join next <i>n</i> lines
<b>.</b>	Repeat last command
<b>U</b>	Undo all changes to line
<b>:N</b>	Open split screen
<b>v</b>	Visual mode
<b>ctrl + c</b>	Escape insert mode