Vim Cheatsheet

Modes

i	Insert mode (before cursor)
I	Insert at beginning of line
a	Insert mode (after cursor)
A	Insert at end of line
o	Open new line below
O	Open new line above
v	Visual mode (character)
V	Visual mode (line)
Ctrl+v	Visual block mode
R	Replace mode
Esc	Return to normal mode
:	Command-line mode

Basic Movement

h	Move left
j	Move down
k	Move up
l	Move right
w	Move to next word
W	Move to next WORD
b	Move to previous word
B	Move to previous WORD
e	Move to end of word
E	Move to end of WORD
0	Move to beginning of line
^	Move to first non-blank char
$	Move to end of line
gg	Go to first line
G	Go to last line
5G	Go to line 5
:5	Go to line 5
%	Jump to matching bracket

Screen Movement

Ctrl+f	Page down
Ctrl+b	Page up
Ctrl+d	Half page down
Ctrl+u	Half page up
Ctrl+e	Scroll down one line
Ctrl+y	Scroll up one line
H	Move to top of screen
M	Move to middle of screen
L	Move to bottom of screen
zz	Center cursor on screen
zt	Cursor to top of screen
zb	Cursor to bottom of screen

Editing

x	Delete character
X	Delete char before cursor
dd	Delete line
D	Delete to end of line
dw	Delete word
d$	Delete to end of line
d0	Delete to start of line
yy or Y	Copy (yank) line
yw	Copy word
y$	Copy to end of line
p	Paste after cursor
P	Paste before cursor
u	Undo
Ctrl+r	Redo
.	Repeat last command
cc or S	Change line
cw	Change word
c$ or C	Change to end of line
r	Replace single character
~	Toggle case
»	Indent line
«	Unindent line
J	Join lines

Search and Replace

/pattern	Search forward
?pattern	Search backward
n	Next search result
N	Previous search result
*	Search word under cursor (fwd)
#	Search word under cursor (bck)
:s/old/new	Replace first on line
:s/old/new/g	Replace all on line
:%s/old/new/g	Replace all in file
:%s/old/new/gc	Replace all (with confirm)
:noh	Clear search highlighting

File Operations

:w	Save file
:w filename	Save as filename
:q	Quit
:q!	Quit without saving
:wq or :x	Save and quit
:e filename	Open file
:r filename	Read file and insert
:saveas file	Save as file

Visual Mode Operations

v	Start character visual mode
V	Start line visual mode
Ctrl+v	Start block visual mode
o	Move to other end of marked
aw	Select a word
ab	Select a block with ()
aB	Select a block with {}
ib	Select inner block with ()
iB	Select inner block with {}
d	Delete marked text
y	Yank (copy) marked text
>	Shift text right
<	Shift text left

Marks and Jumps

ma	Set mark 'a' at cursor
'a	Jump to mark 'a'
`a	Jump to position of mark 'a'
''	Jump to previous position
Ctrl+o	Go to older position
Ctrl+i	Go to newer position
:marks	List all marks

Macros

qa	Record macro 'a'
q	Stop recording
@a	Play macro 'a'
@@	Replay last macro
5@a	Play macro 'a' 5 times

Window Management

Splitting Windows

:split or :sp	Split horizontally
:vsplit or :vsp	Split vertically
:split file	Split and open file
:vsplit file	Vertical split and open file
:new	New horizontal split
:vnew	New vertical split
Ctrl+w s	Split horizontally
Ctrl+w v	Split vertically

Navigating Windows

Ctrl+w h	Move to left window
Ctrl+w j	Move to window below
Ctrl+w k	Move to window above
Ctrl+w l	Move to right window
Ctrl+w w	Cycle through windows
Ctrl+w p	Go to previous window

Resizing Windows

Ctrl+w =	Make windows equal size
Ctrl+w +	Increase height
Ctrl+w -	Decrease height
Ctrl+w >	Increase width
Ctrl+w <	Decrease width
:resize n	Resize to n lines
:vertical resize n	Resize to n columns

Managing Windows

```
Ctrl+w c   Close current window
Ctrl+w q   Quit current window
Ctrl+w o   Close all but current
:only      Close all but current
Ctrl+w r   Rotate windows
Ctrl+w x   Exchange windows
Ctrl+w H   Move window left
Ctrl+w J   Move window down
Ctrl+w K   Move window up
Ctrl+w L   Move window right
```

Opening Files in Windows

```
:sp file.txt      Open file.txt horizontally
:vsp file.txt     Open file.txt vertically
:lefta vsp file   Open file in left split
:vert new file    New vertical split with file
```

Tabs

```
:tabnew        Open new tab
:tabnew file   Open file in new tab
:tabc          Close current tab
:tabo          Close all other tabs
gt             Go to next tab
gT             Go to previous tab
3gt            Go to tab 3
:tabs          List all tabs
```

Buffer Management

```
:ls or :buffers   List buffers
:bn               Next buffer
:bp               Previous buffer
:b#               Last buffer
:b5               Go to buffer 5
:bd               Delete buffer
:b filename       Go to buffer by name
```

Folding

```
zf   Create fold (in visual)
zo   Open fold
zc   Close fold
za   Toggle fold
zR   Open all folds
zM   Close all folds
```

Miscellaneous

```
:!command        Execute shell command
:r !command      Insert command output
:set number      Show line numbers
:set nonumber    Hide line numbers
:set paste       Enable paste mode
:set nopaste     Disable paste mode
:syntax on       Enable syntax highlighting
:help topic      Get help on topic
Ctrl+g           Show file info
ga               Show ASCII value of char
```

Command-Line Tricks

```
:earlier 5m   Go back 5 minutes
:later 5m     Go forward 5 minutes
:retab        Convert tabs to spaces
:%!xxd        View file as hex
:%!xxd -r     Convert hex back
:sort         Sort lines
:sort u       Sort and remove duplicates
```

For more information: `:help` or `vimtutor`