Vim Editor Reference

Vim Editor Tutorial
vimtutor launches the vim tutorial from the command line

4 modes of vim
ESC	normal mode (default)
:	command mode
i	insert mode
v	visual mode

Saving, Exiting (command mode)
:w	write to disk
:wqwr	write contents then quit
:q	quit
:q!	quit without saving changes

Insert Mode
i	insert before cursor
o	open new line below
O	open new line above
a	append (insert after cursor)
A	append at end of line
ESC	return to normal mode

Navigation
h	moves cursor left
j	moves cursor down
k	moves cursor up
l	moves cursor right
w	moves forward to start of word
b	moves backward to start of word
e	moves forward to end of word
^	move to start of line
$	move to end of line
G	move to end of file
gg	move to start of file
nG	move to line n
CTRL-f	page down
CTRL-b	page up
CTRL-u	half page up
CTRL-d	half page down

Searching (normal mode)
/word	search forward for "word"
?word	search backward for "word"
n	repeat last search forward
N	repeat last search backward
CTRL-o	return to older locations
CTRL-i	return to newer locations

Delete (and place in buffer)
x	delete character
nx	delete n characters
dd	delete line
ndd	delete n lines
d0	delete to beginning of line
d$	delete to end of line
dw	delete word
ndw	delete n words

Copy (and place in buffer)
yy	yank (copy) line
nyy	yank n lines
yw	yank word
nyw	yank n words

Pasting
p	paste after cursor
P	paste before cursor

Miscellaneous editing commands
u	undo last commands
U	(capital) fix whole line
.	repeat last command
>>	indent one tab
n>>	indent n line one tab
<<	out-dent one tab
n<<	out-dent n line one tab
CTRL-r	redo commands
r	replace character under cursor
R	replace several characters
ce	change from cursor to end of word
c$	change from cursor to end of line
CTRL-G	display location and file status

Using Other Paste Buffers
"andw	delete n words and place in buffer a
"bndw	delete n words and place in buffer b
"ap	paste contents of buffer a
"bp	paste contents of buffer b

Visual Mode and Helpful Commands
v	enter visual mode to visually select text
:w filename	write selected text as filename
:r filename	reads filename and puts text below cursor

Helpful Commands
:!	execute external command
:w filename	write to disk as filename
:%s/old/new/g	substitute globally
:%s/old/new/gc	subs globally with prompt
:set ic	ignore case when searching
:set is	show partial matches for search phrase
:set hls	highlight matching phrases
:set noOPTION	prepend "no" to switch options off
:set number	show line numbers
:help	open help window

.vimrc file
```
" unmap the arrow keys
no <down> ddp
no <left> <nop>
no <right> <nop>
no <up> ddkP
ino <down> <nop>
ino <left> <nop>
ino <right> <nop>
ino <up> <nop>
" quick pairs
imap <leader>' ''<esc>i
imap <leader>" ""<esc>i
imap <leader>( ()<esc>i
imap <leader>[ []<esc>i
" basic c formatting
set ai sw=4
set number
set expandtab
set softtabstop=4
set smartindent
" vimscript exercises
imap <c-d> <esc> ddi
imap <c-u> <esc> viwU
nmap <c-u> viwU
" use mouse
set mouse=a
```