

## VI/VIM Cheat Sheet

### General format for commands

vi *[n]*operator*[m]*object  
ex :*[address]*command*[options]*

### Invoking and exiting vi

`$vi file` Invoke vi  
`$view file` Opens file in read-only mode  
`:wq` Write and quit  
`:w` Write  
`:w file` Write to file  
`:w! file` Overwrite existing file  
`:q` Quit  
`:q!` Force quit

### Display Text (CTRL+<character>)

`d` Scroll down  
`u` Page forward  
`f` Page forward  
`b` Page backward

### Cursor Movement

`<RIGHT>`, `<SP>`, or `l` Next character  
`<LEFT>`, `<BS>`, or `h` Previous character  
`<DOWN>` or `j` Character below  
`<UP>` or `k` Character above  
`<RET>` Beginning of line  
`-` Beginning of previous line  
`G` Go to last line  
`:[n]` Go to line number *[n]*  
`$` End of line  
`w` or `[n]w` Forward beginning of word (*[n]* words)  
`e` or `[n]e` End of word (*[n]* words)  
`b` or `[n]b` Back beginning of word (*[n]* words)

### Text Creation

`a` Append after cursor  
`i` Insert before cursor  
`o` Open line below  
`O` Open line above  
`<ESC>` Exit text entry mode

### Delete Text

`x` or `[n]x` Delete character (*[n]* characters)  
`r[c]` Replace character with *[c]*  
`dd` or `[n]dd` Delete current line (or *[n]* lines)  
`dw` Delete word  
`d$` Delete to end of line  
`u` Undo last editing command

### Searching

`/[string]` Escape following character  
`?[string]` Begin literal sequence  
`n` Next match  
`N` Previous match

### Change Text

`[n]s[string]` Substitute *[n]* characters with *[string]*  
`cc[string]` Change line with *[string]*  
`[n]cc[string]` Change *[n]* lines with *[string]*  
`cw[string]` Change word to *[string]*  
`c$[string]` Change end of line to *[string]*  
`[n]J` Join *[textitn]* lines  
`r<RET>` Split line  
`:%s/[string]/[newstring]/g` Substitute *[string]* with *[newstring]*

### Copying Text

`yy` Yank entire line  
`[n]yy` Yank *n* lines *[n]*  
`yw` Yank word  
`y$` Yank to end of line  
`p` Put after character  
`P` Put before character

### Setting options

`:set number` Turn on line numbers  
`:set nonumber` Turn off line numbers  
`:set list` Display tabs and end of lines  
`:set nolist` Turn off list  
`:set showmode` Indicate input mode  
`:set noshowmode` Turn off showmode  
`:set wm=10` Define automatic right margin  
`:set wm=0` Turn off wm  
Remove semicolon for usage in `~/vimrc`

### Multiple Input Windows

`:vsplit file` Open another file vertically  
`:split file` Open another file horizontally  
`<CTRL>+w` Switch active window  
`:[cmd]` Run *[cmd]* in active window

### Miscellaneous

`xp` Transpose 2 characters  
`:r file` Read file into buffer  
`:[cmd]%` Run shell command *[cmd]* on current file  
`<CTRL>+l` Redraw screen  
`$vi -r file` Recovery