**Vim Quick Reference**

**MOVEMENT**

By Line

**G** go to end of file

*n***G** go to line *n*

**0**, **$** begin, end of a line

**^** or **\_** first non-blank char on line

**+**, **-** first non-blank char on next, previous line

By Screen

Ctrl-**F**, Ctrl-**B** scroll forward, back one full screen

Ctrl-**D**, Ctrl-**U** scroll forward, back half a screen

Ctrl-**E**, Ctrl-**Y** scroll screen up, down by one line

**H**, **M**, **L** go to top, middle, bottom of screen

**zz-** position line with cursor at top / bottom

**z.** , **zz** position line with cursor at middle

By Window

**:sp(lit)** split window horizontally

**:vsp(lit)** split window vertically

**ctrl**-**ww** move cursor between windows

**ctrl-w >**, **ctrl-w <** horizontally resize window

**:hide** hide current window

By Buffer

**:ls**, **:buffers** list buffers

**:b**, **<ctrl-^>** switch between buffers

**:b***n*, *n****-*<ctrl-^>** switch to buffer *n*

**<ctrl-^>** buffer switch

By Character

**h, j, k, l** left, down, up, right

Marking Position on Screen

**m***p* mark current position(line) as *p* (a..z)

`*p* move to marker line *p*

‘*p* move to first char on marker line p

Miscellaneous Movement

**f***m*, **F***m*, **t***m***, T***m* fwd, bkd to/before and after character *m*

**w**,**W** move to next word

**b, e, B, E** move to beginning, end of word

**), (, ]],[[, }, {** next, previous sentence, section, paragraph

**%** go to matching parenthesis ( ), { }, [ ]

**EDITING TEXT**

Entering Text

**~** toggle character case

**O**, **o** open line to enter above, below current line

**A**, **a** append after line, after cursor

**I**, **i** insert before line, before cursor

**r** replace character under cursor

**c***m*, **cc** change *m* characters, a line (del & ins.)

**J** join end of line with next line

**.** repeat last cmd of text editing

**U** undo changes on current line

**u** undo last command

**:r *f*** insert text from external file *f* (paste a file)

**:r!(shell cmd)**insert shell command output

Cut, Copy, Paste

**d***m*, **dd** delete *m* characters, the whole line

**d**%, **y**% delete/yank a block of {}, [], or ()

**D** delete until end of line

**x**, **X** delete character under, before cursor

**y***m* yank to buffer (*m* is movement)

**yy**, **Y** yank current line to buffer

**p**, **P** paste from buffer after, before cursor

“*b***dd**, “*b***yy** cut, yank line to named buffer *b* (a..z)

“*b***p** paste from named buffer *b*

Indentation

**==** indent the line *correctly*

**=%** indent a block of {}, [] or () *correctly*

**gg=G** indent entire buffer/file *correctly*

***n*>*>***, ***n*>*m*** indent *n* lines (*m* is movement)

***n*<*<***, ***n*<*m*** un-indent left *n* lines (*m* is movement)

**>%, <%** indent a block of {}, [] or ()

**>’a** indent from marker ‘**a**’ to current line

**:retab** correct tabs (tabs -> spaces)

Searching and Replacing

/*w* search forward for *w*

?*w* search backward for *w*

**n**, **N** repeat search in same, opposite direction

**:s/*old*/*new*/g** replace all occurrences on the line

**:%s/*old*/*new*/g** replace all occurrences in file

**:%s/*old*/*new*/gc** same as above, with confirmation

**&** repeat replacement operation

Miscellaneous

**^G** show status

**/ <ctrl-f>** , **:his /** list vi search history

**:his** list vi command history

**:set ft=c** set to use C-style file type

**Combinations**

**d^, d$, dW, dw** delete to line beginning, end, Word, word

**d3l, x3** delete 3 characters after cursor, inclusively

**d2h, X2** delete 2 characters before cursor, exclusively

**c^, c$, cW, cw, c3l, c2h** change (delete and insert)

**i** +Ctrl**-V** +Tab insert a tab

Regional Copy/Paste/Delete (1)

**d**G, **y**G delete/yank until end of file

**d***n*G, **y***n*G delete/yank from current line until line *n*

*n***dd**, *n***yy** delete/yank *n* lines

**d**L, **y**L delete/yank until bottom line on screen

**:***n*,*m***d, :***n*,*m***y** delete/yank from line *n* to line *m*

**:***n*,**.d, :***n*,**.y** delete/yank until current line

Regional Copy/Paste/Delete (2)

1. At region start line, type “**m**a” to set marker “a”.
2. At region end line, use **:’a,.y b**  to yank the region from marker “a” to current line into buffer “b”

Note: **’a** means from maker **“a”**, **.** means current line, **b** is buffer “b”. Use **:’a,.d b** to delete region and save a copy into buffer “b”.

1. At the desired line, use **:pu b** to paste the content of buffer “b”.