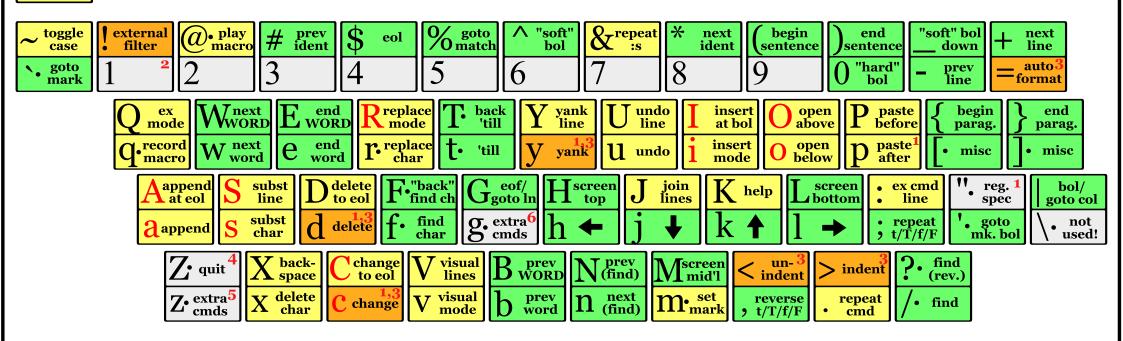


Esc normal mode

vi / vim graphical cheat sheet



motion moves the cursor, or defines the range for an operator

command direct action command, if red, it enters insert mode

operator requires a motion afterwards, operates between cursor & destination

extra special functions, requires extra input

commands with a dot need a char argument afterwards

bol = beginning of line, eol = end of line, mk = mark, yank = copy

words: quux(foo, bar, baz);
WORDs: quux(foo, bar, baz);

Main command line commands ('ex'): :w (save), :q (quit), :q! (quit w/o saving)

:e f (open file f),

:%s/x/y/g (replace 'x' by 'y' filewide), :h (help in vim), :new (new file in vim),

Other important comands:

CTRL-R: redo (vim), CTRL-F/-B: page up/down, CTRL-E/-Y: scroll line up/down,

CTRL-V: block-visual mode (vim only)

Visual mode:

Move around and type operator to act on selected region (vim only)

Notes:

- (1) use "x before a yank/paste/del command to use that register ('clipboard') (x=a..z,*) (e.g.: "ay\$ to copy rest of line to reg 'a')
- (2) type in a number before any action to repeat it that number of times (e.g.: 2p, d2w, 5i, d4j)
- (3) duplicate operator to act on current line (dd = delete line, >> = indent line)
- (4) ZZ to save & quit, ZQ to quit w/o saving
- (5) zt: scroll cursor to top, zb: bottom, zz: center
- (6) gg: top of file (vim only), gf: open file under cursor (vim only)

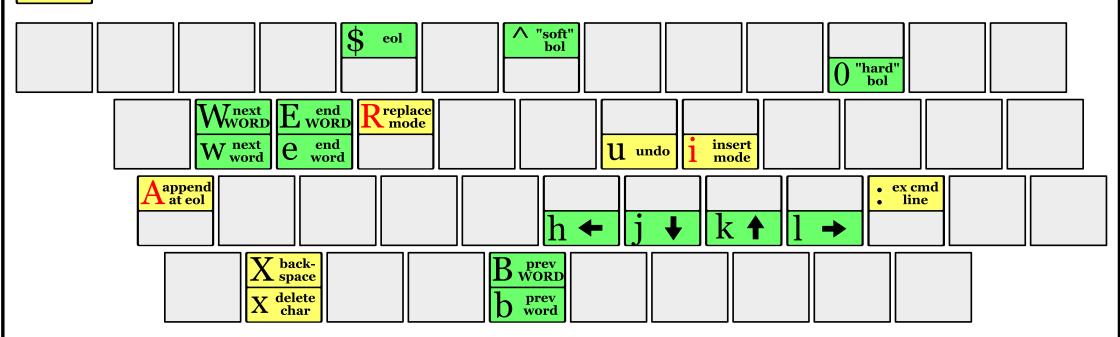
For a graphical vi/vim tutorial & more tips, go to www.viemu.com - home of ViEmu, vi/vim emulation for Microsoft Visual Studio

version 1.1 April 1st, 06

vi/vim lesson 1 - basic editing

motion moves the cursor, or defines the range for an operator direct action command, if red, it enters insert mode





Basics:

h j k l are vi/vim cursor keys – use them as they are much closer than regular cursor keys!

Use i to enter insert mode, cursor turns from a block into a vertical line, and you can type in text. Use Esc to return to normal mode.

Use x to delete the current character, or X to delete the one to the left

Use A to go insert text at the end of the line (wherever you are in the line!)

(Note: insert mode is actually very similar to a regular editor, you can use cursor/navigation keys, backspace, delete...)

Extras:

u to undo the last action – traditional vi has a single level, while vim supports unlimited undo (CTRL - R to redo)

jumps directly to the beginning of the line, \$ to the end, and \(^\) to the first non-blank

Use w b e to move along 'words'. A 'word' is a sequence of all alphanumeric or punctuation signs: quux(foo, bar, baz);

Use WB E to move along WORDs. A 'WORD' is a sequence of any non-blank characters: quux(foo, bar, baz);

Use **R** to enter insert mode with an overstrike cursor, which types over existing characters.

: w and press enter to save, : q and enter to quit.

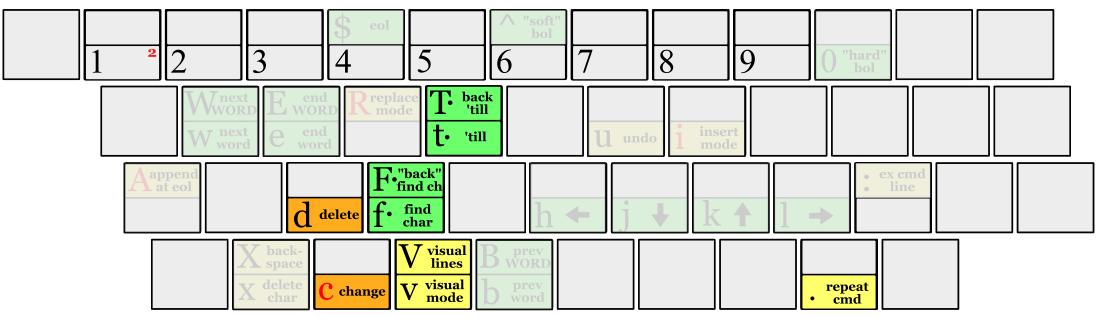


vi/vim lesson 2 - operators & repetition

learned in previous
lessons
motion moves the cursor, or defines
the range for an operator

command direct action command,
if red, it enters insert mode
requires a motion afterwards,
operator operates between cursor &
destination





Basics:

- f, followed by another key, moves the cursor to the next instance of that character on the current line, F does the same backwards.
- t and T do the same, but they stop right before the character.
- d (delete), followed, by any motion deletes the text between the cursor and that motion's destination dw, df -...).
- c (change) does the same, but leaves you in insert mode.
- Some motions, such as j and k, are linewise deletion includes the full start/end lines.
- . repeats the last editing action: text input, delete or change, etc... motion is recalculated at the new place.

Extras:

Prepend a count to any command/motion to repeat it that number of times:

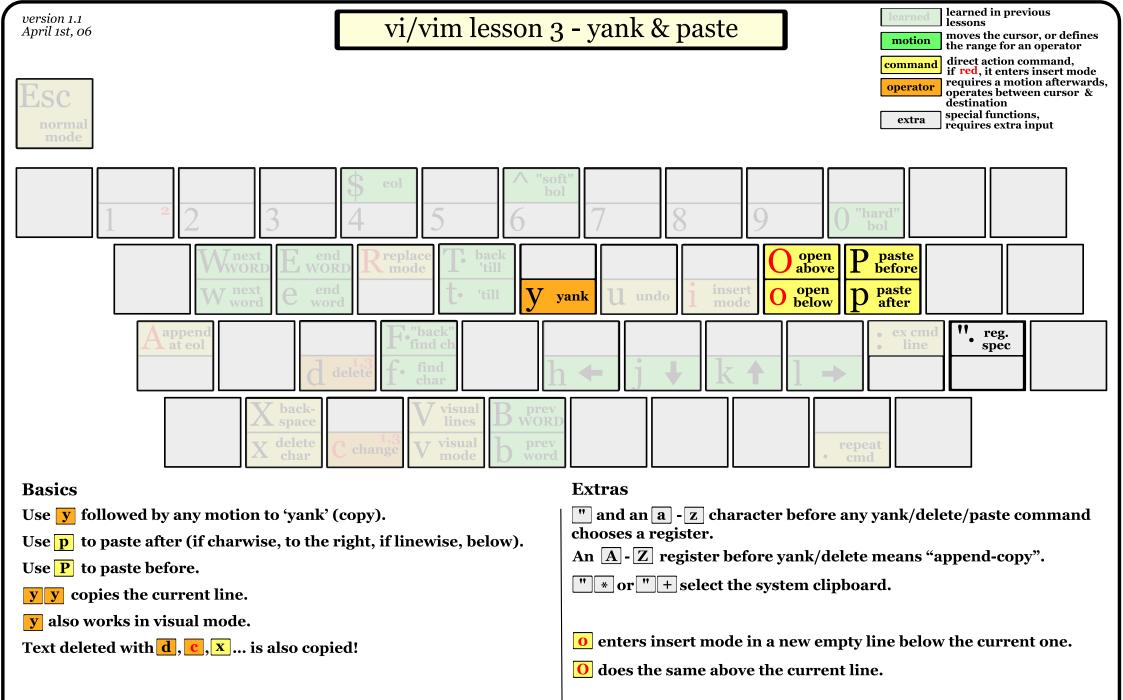
- **d** 2 w to delete up to the second word.
- d 2 t , to delete up to but not including the second comma.
- 2 i repeats the text after you press (Esc) to finish the input session.

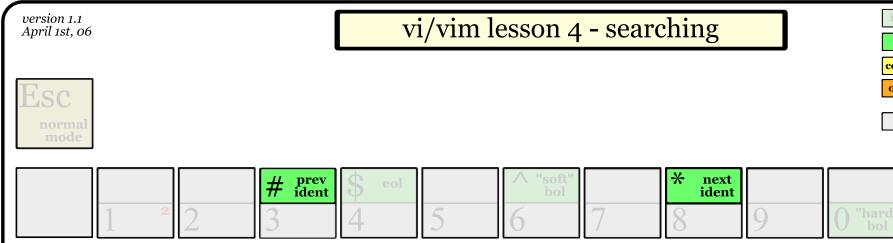
Repeat operator (c c or dd) to operate on the current line.

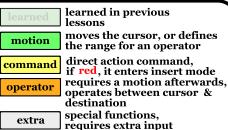
Only in vim, v enters visual mode. Move around with motions, the text will be highlighted. Press an operator to operate on that selection.

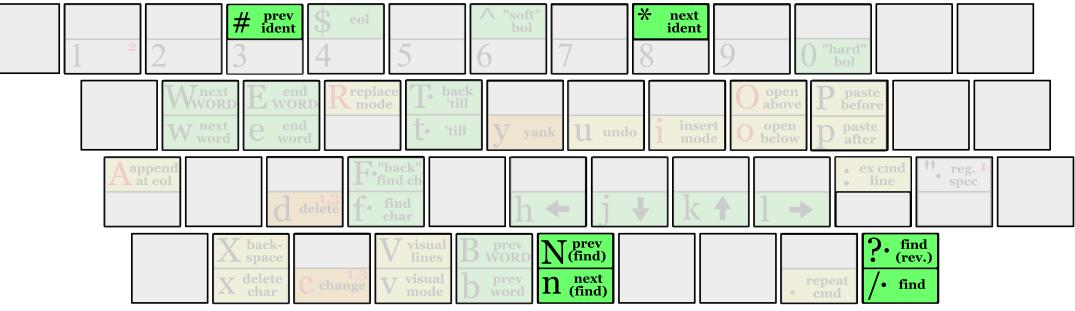
V enters visual-lines mode – like **v**, but selecting whole lines.

CTRL - v selects rectangular blocks.









Basics:

is the basic search motion – type the text you are searching for after the slash, and then press return. Being a motion, you can use this after an operator, or in visual mode.

- ? does the same, backwards.
- n repeats the last search in the same direction, N repeats it in the reverse direction

Be careful, because the search target is interpreted as a regular expression: a*b means one or more 'a's followed by a 'b', ^abc means 'abc' at the beginning of a line, [0-9] looks for the next digit, etc...

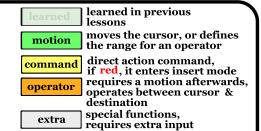
Extras:

The following very useful motions work only in vim:

- * searches forward for the next instance of the identifier under the cursor.
- # does the same backwards.

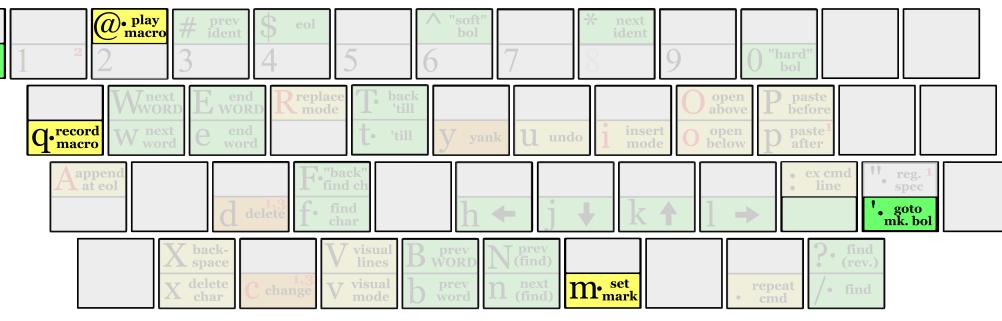


vi/vim lesson 5 - marks & macros





oto goto mark



Marks:

Use m followed by an a - z character to set a mark.

Use followed by a character to go to that mark.

Use and a character to go to the first non-blank in that line.

A - Z marks are global, a - z per-buffer.

refers to the position of the last modification.

Macros:

Use q followed by an a - z character to start recording.

Use q afterwards to stop recording.

@ followed by a character replays that macro.

@ @ to repeat the last macro played.

learned in previous version 1.1 vi/vim lesson 6 – various motions April 1st, 06 moves the cursor, or defines the range for an operator direct action command, command if red, it enters insert mode requires a motion afterwards. operator operates between cursor & destination special functions. extra requires extra input begin end goto Omatch sentence line sentence prev line begin end parag parag. misc misc screen screen help **J**goto ln ⊿ bottom top /Iscreen mid'l **%** jumps between matching pairs of '(' ')', '[', ']', etc... (and) jump to the beginning/end of the current sentence. and jump to the previous/next empty line. **H** M L jump directly to the top/middle/bottom of the screen. iumps to the previous '{' in column o. **G** jumps to the end of the file, or to the line # typed before it.

For the rest of the tutorial & a full cheat sheet, go to **www.viemu.com** - home of ViEmu, vi/vim emulation for Microsoft Visual Studio

- / + jump to the previous/next line.

the cursor: vim help, man page under unix, etc...

K, not technically a motion, jumps to the help for the word under

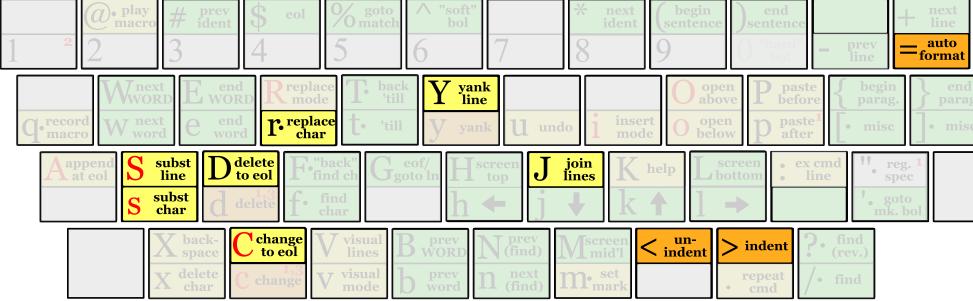
I jumps to the next '{' in column o.

version 1.1 April 1st, 06

vi/vim lesson 7 - various commands

learned in previous
lessons
motion moves the cursor, or defines
the range for an operator
direct action command,
if red, it enters insert mode
requires a motion afterwards,
operates between cursor &
destination
extra
special functions,
requires extra input





Basics:

- J joins the current line with the next one, or all the lines in the current visual selection.
- r followed by any character replaces the current character with that one.
- C is shorthand for c \$, changes to end of line.
- D is shorthand for d \$, deletes to end of line.
- Y is shorthand for y y, yanks the whole line.
- s deletes the character under the cursor and enters insert mode.
- S clears the current line and enters insert mode.

Extras:

- > and a motion to indent one or more lines.
- and a motion to unindent.
- = and a motion to reformat a range of text.

All of them work in visual mode, or can be repeated (>>, etc...) to operate on the current line.

toggles the case of the character under the cursor.

Now go grab the full cheat sheet and learn the rest. Start with I a , and ; . Piece of cake!