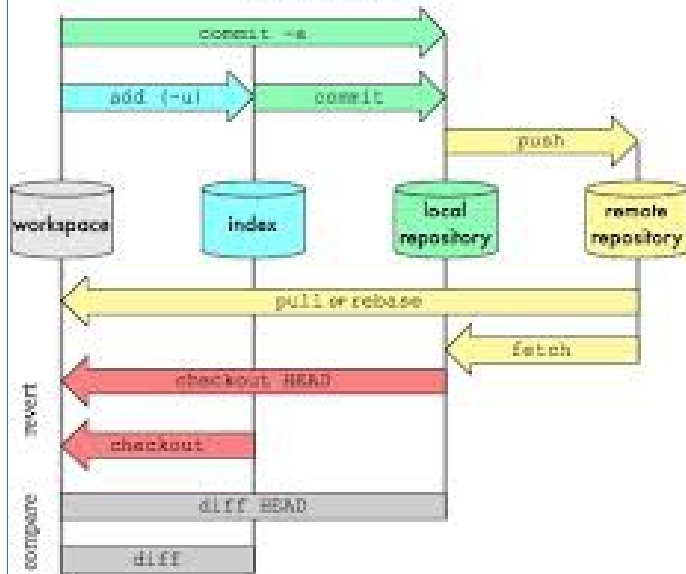
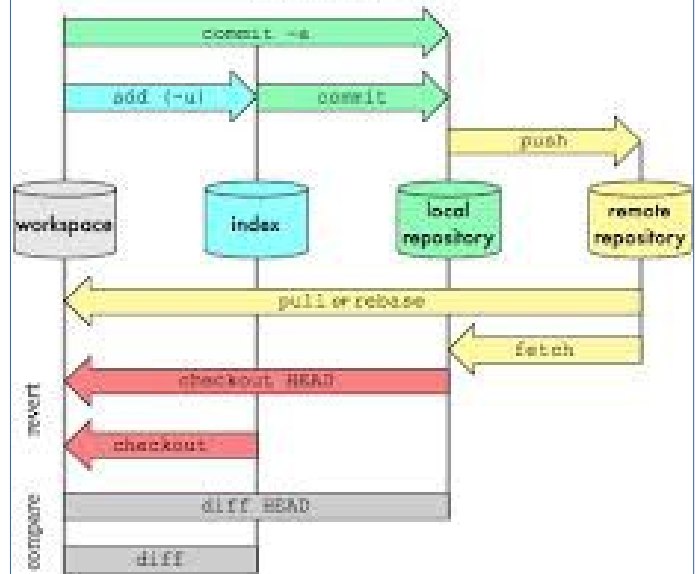




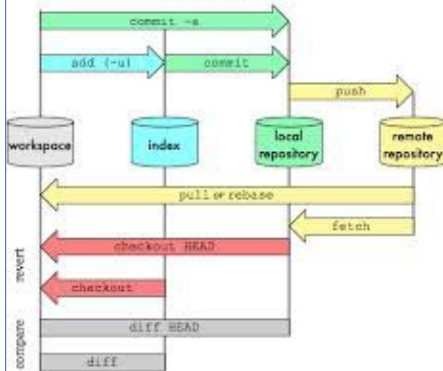
<http://csteele.com>



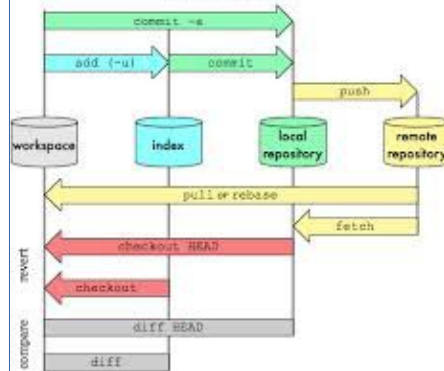
<http://csteale.com>



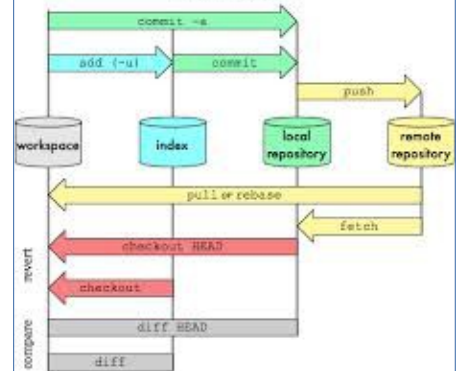
<http://csteale.com>



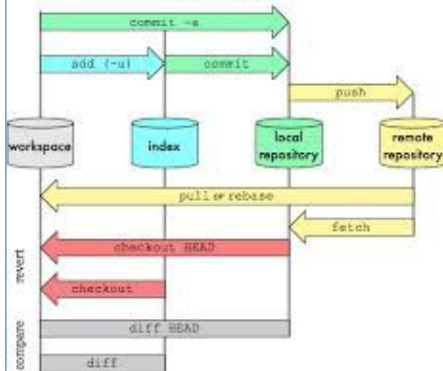
<http://csteale.com>



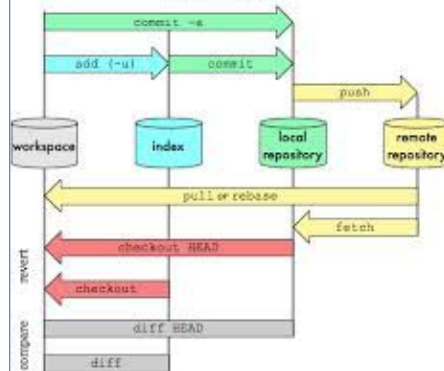
<http://csteale.com>



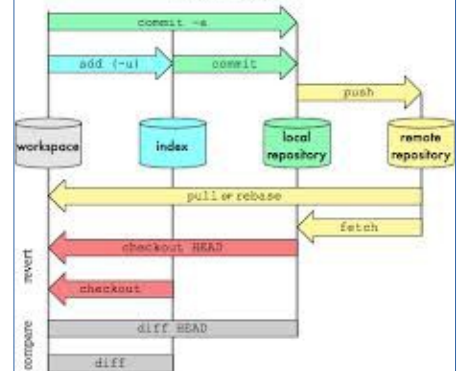
<http://csteale.com>



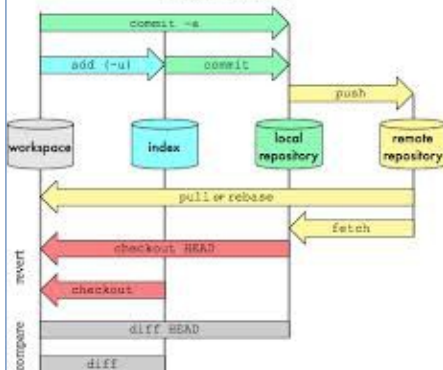
<http://costale.com>



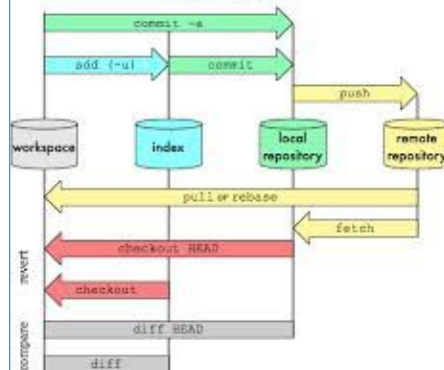
<http://csteale.com>



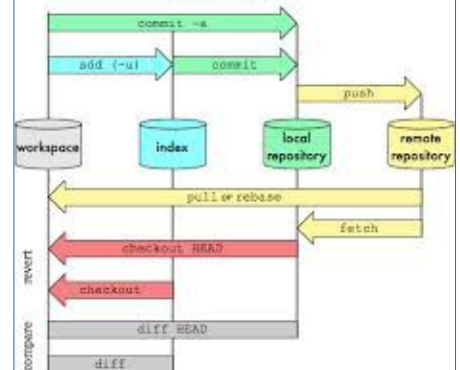
<http://csteale.com>



<http://csteale.com>



<http://csteale.com>



# Vim Visual Cheat Sheet

[illegible]

Movement/Range	
Character	<div> <div>h</div> <div>j</div> <div>k</div> <div>l</div> </div> <div> <div>←</div> <div>↑</div> <div>↓</div> <div>→</div> </div>
word, WORD(all non-blank ch)	<div> <div>w</div> <div>b</div> </div> <div> <div>next/prev word</div> </div> <div> <div>w</div> <div>B</div> </div> <div> <div>next/prev WORD</div> </div> <div> <div>e</div> <div>E</div> </div> <div> <div>end of word/WORD</div> </div>
Line	<div> <div>0</div> <div>\$</div> </div> <div> <div>begin/end of line</div> </div> <div> <div>^</div> </div> <div> <div>begin (non-blank) of line</div> </div>
Paragraph, Block	<div> <div>{</div> <div>}</div> </div> <div> <div>prev/ next paragraph</div> </div> <div> <div>{{</div> <div>}}</div> </div> <div> <div>begin/end of block</div> </div> <div> <div>%</div> </div> <div> <div>matching parenthesis</div> </div>
Window, File	<div> <div>H</div> <div>top of win</div> <div>ZL</div> <div>scroll to top</div> </div> <div> <div>M</div> <div>mid of win</div> <div>ZZ</div> <div>scroll to middle</div> </div> <div> <div>L</div> <div>btm of win</div> <div>Zb</div> <div>scroll to bottom</div> </div> <div> <div>C-B</div> <div>C-F</div> </div> <div> <div>prev/next page</div> </div> <div> <div>gg</div> <div>G</div> </div> <div> <div>begin/end of file</div> </div> <div> <div>mx</div> <div>X</div> </div> <div> <div>mark/jump to x</div> </div>
Search	<div> <div>*</div> <div>#</div> </div> <div> <div>find current word backward/forward</div> </div> <div> <div>fx</div> </div> <div> <div>to character x to right</div> </div> <div> <div>gd</div> </div> <div> <div>to definition of current word</div> </div> <div> <div>/xxx</div> </div> <div> <div>search xxx</div> </div> <div> <div>n</div> <div>N</div> </div> <div> <div>next/prev search result</div> </div>
Mode Commands	
<div> <div>ESC</div> <div>C-D</div> </div> <div> <div>enter normal mode</div> </div>	<div> <div>V</div> </div> <div> <div>enter visual mode</div> </div> <div> <div>C-V</div> </div> <div> <div>enter visual block mode</div> </div> <div> <div>i</div> </div> <div> <div>enter insert mode</div> </div> <div> <div>R</div> </div> <div> <div>enter replace mode</div> </div> <div> <div>a</div> </div> <div> <div>append</div> </div> <div> <div>A</div> </div> <div> <div>append at end of line</div> </div>
General Commands	
<div> <div>y</div> </div> <div> <div>yank/copy (range)</div> </div> <div> <div>d</div> </div> <div> <div>delete/cut (range)</div> </div> <div> <div>c</div> </div> <div> <div>modify (range)</div> </div> <div> <div>x</div> </div> <div> <div>delete/cut (character)</div> </div> <div> <div>D</div> </div> <div> <div>delete to end of line</div> </div> <div> <div>C</div> </div> <div> <div>modify to end of line</div> </div> <div> <div>P</div> </div> <div> <div>paste after cursor</div> </div> <div> <div>J</div> </div> <div> <div>join lines</div> </div> <div> <div>r</div> </div> <div> <div>replace (character)</div> </div> <div> <div>&gt;</div> </div> <div> <div>indent</div> </div> <div> <div>&lt;</div> </div> <div> <div>indent leftward</div> </div> <div> <div>.</div> </div> <div> <div>redo</div> </div> <div> <div>u</div> </div> <div> <div>undo</div> </div>	<div> <div>EX Commands</div> </div> <div> <div>:w</div> </div> <div> <div>save! :wq save and quit)</div> </div> <div> <div>:q</div> </div> <div> <div>quit! :q! quit anyway)</div> </div> <div> <div>:e x</div> </div> <div> <div>edit file x</div> </div> <div> <div>:n</div> </div> <div> <div>new window</div> </div> <div> <div>:h</div> </div> <div> <div>vim help</div> </div> <div> <div>:xx</div> </div> <div> <div>jump to line #xx</div> </div>
Auto-completion [Insert mode]	
<div> <div>C-N</div> <div>C-P</div> </div> <div> <div>auto-complete</div> </div> <div> <div>C-X C-F</div> </div> <div> <div>next/prev keyword</div> </div> <div> <div>auto-complete file name</div> </div>	
Split window	
<div> <div>vsp</div> <div>sp</div> </div> <div> <div>vertically/horizontally split</div> </div> <div> <div>:diffs</div> </div> <div> <div>split and diff</div> </div> <div> <div>C-W D</div> </div> <div> <div>to last accessed window</div> </div> <div> <div>C-W w</div> </div> <div> <div>to next window</div> </div>	



# Vim Cheat Sheet for Programmers



**operator** **count** **motion**

**d** delete/cut  
**y** yank/copy  
**c** change

**gU** make uppercase  
**~** swap case  
**<** shift left  
**=** indent

Any motion can follow an operator. Marks and searches count as motions, too! **d/**foo will delete from the cursor to the next instance of "foo". **y3f** will yank from the cursor to the 3rd "f" on the line after it. Counts can also come before operators: **5dd** will delete five lines.

**w** word  
**W** WORD  
**s** sentence  
**[** **]** block  
**(** **)** block  
**<** **>** block  
**t** XML/HTML tag  
**{** **}** block  
**"** **'** quoted string

starting cursor position

(use text-objects)

**i(** **iw** **iW**

**gg** first line  
**^b** up 1 page  
**^u** up 1/2 page  
**k** up 1 line

**h** up-down-motions

	ts	sw	sts	et	tabstop	ts	Columns per tabstop
use spaces only	n	n	n	on	shiftwidth	sw	Columns per
use tabs only	n	n	0	off	softtabstop	sts	Spaces per tab

Set **n** to desired tab width (default 8) **expandtab** **et** **<Tab>** inserts spaces

**MIXING TABS AND SPACES IS RIGHT OUT.**  
(that means don't do it.)

**:retab** Replace all tabs with spaces according to current **tabstop** setting

**fileformat ff** Try changing this if your line-endings are messed up

**list** Display whitespace visibly according to **listchars**

**h** left-right-motions

next character **l** end of word **e** beginning of next word **w** end of WORD **E** beginning of next WORD **W** end of line **\$**

## SEARCHING

Prev	Next	Forward	Backward	Matches
<b>N</b>	<b>n</b>	<b>/foo</b>	<b>?foo</b>	<b>foo</b>
		<b>*</b>	<b>#</b>	word under cursor
<b>;</b>	<b>,</b>	<b>tx</b>	<b>Tx</b>	upto <b>x</b>
		<b>fx</b>	<b>Fx</b>	find <b>x</b>

**h** pattern-searches

<b>mm</b> set mark <b>m</b> (a-z) in file	<b>mM</b> set mark <b>M</b> (A-Z) across files	<b>'[</b> jump to first char of just-changed text
<b>'m</b> jump to first char of line containing <b>m</b>	<b>`m</b> jump to exact character of <b>m</b>	<b>''</b> jump back to last jump

**h** mark-motions

Pass a directory to the **:edit** command to open a directory explorer. Instructions for usage are at the top of the screen.

## ENTERING INSERT MODE

beginning of line **I** before cursor **i** after cursor **a** end of line **A**

previous line **O** next line **o** substitute character **s** substitute line **S** line from cursor **C**

## ENTERING VISUAL (SELECT) MODE

**v** The most basic type. Use **visual mode** to select characters within a line.

**V** Useful for moving chunks of a program around the file. Use **Visual Line mode** to select one or more lines.

**^V** Great for working with tables made of text, or anything that happens to be conveniently aligned. **Visual Block mode** can be used to select boxes across lines.

switch cursor to start/end **o** **h v\_o**

re-select previous area **gv** **h gv**

prepend to each Visual block line **I** **h v\_b,I**

jump to start of prior area **'<** **h 'c**

**ZZ** Write current file, if modified, and quit

**ZQ** Quit without checking for changes (like **:q!**)

**:write** Write current file

**:wq** Write current file and quit

Use **:scriptnames** to list all files sourced during initialization.

**:syntax** Enable and configure syntax highlighting  
Use **:sy sync fromstart** to redraw broken highlights

**:make** Run a compiler and enter quickfix **h quickfix**

**!** Execute external shell command

**!** Filter motion with shell command

Use **:earlier** and **:later** to quickly jump backward and forward in a file's history.

**:read** Read external program output into current file

**j** down 1 line

**^d** down 1/2 page

**^f** down 1 page

**G** last line

<b>p</b> paste after cursor	<b>P</b> paste before cursor	<b>^[</b> return to Normal mode
<b>u</b> undo	<b>^r</b> redo	<b>.</b> repeat
<b>gf</b> find file under cursor in path and jump to it	<b>dd</b> delete current line	<b>yy</b> yank current line
<b>x</b> delete character after cursor	<b>%</b> jump to matching paren	<b>r</b> replace char under cursor
<b>nG</b> jump to line <b>n</b>	<b>^o</b> jump back	<b>^i</b> jump forward
<b>zz</b> center screen on cursor	<b>zt</b> align top of screen with cursor	<b>zb</b> align bottom of screen with cursor
<b>==</b> auto-indent current line	<b>&lt;&lt;</b> shift current line left by <b>shiftwidth</b>	<b>&gt;&gt;</b> shift current line right by <b>shiftwidth</b>

Using **^[** to return to Normal mode lets you keep your fingers on the home row. It's even easier if you map Caps Lock to Control!

**h** insert.txt

## COOL INSERT MODE STUFF

<b>^W</b> delete word before cursor	<b>^u</b> delete line before cursor
<b>^r</b> insert the contents of register <b>r</b>	<b>^r=</b> use the expression register (try <b>^r=5+10</b> )
<b>^t</b> increase line indent by <b>shiftwidth</b>	<b>^d</b> decrease line indent by <b>shiftwidth</b>
<b>^x^l</b> line completion	<b>^n</b> find next completion suggestion according to complete

**h** cmdline.txt

## COMMAND-LINE MODE ONLY

edit using Normal mode <b>cmdwin</b> <b>^f</b>	insert word under cursor <b>cmdline-editing</b> <b>^r^w</b>	completion suggestions <b>cmdline-completion</b> <b>^d</b>
--	---	--

Put **set nocoremap <C-R>=expand('%:h')."/"/<CR>** in your **vimrc** so you can type **xx** in Command-line mode to refer to the directory of the current file, regardless of **pwd**.

Supply **%** as a range to the **:substitute** command to run it on every line in the file.

**:%s/Scribble/Design/** "Scribbled" -> "Designed"

Specify the **"g"** flag to apply the substitution to every match on a line.

**:s/[dla]//g** "badly" -> "by" **h s\_flags** **h [/]**

Vim supports many regular expression features.

**:s/..k/ax/** "Mook" -> "Max" **h usr\_27** **h /.**

Use **\_\.** instead of **.** if you want to search across multiple lines.

**:%s/heat\..\*Bungle/anto/** "Cheatsheet\nBungler" -> "Cantor" **h /\.**

Special escapes can be used to change the case of substitutions.

**:s\\_(\f.\)\\_\\U\1E\\_** "foobar" -> "FOObar" **h sub-replace-special**

Use **:global** to perform a command on matching lines.

**:g/foobar/delete** Delete all lines containing "foobar"

If your pattern contains slashes, just use a different character as your delimiter.

**:s\_Data/Lore\_Brent\_Spiner\_**

Use **\=** to evaluate expressions with replacement groups.

**:s\\_d\\_\\=submatch(0) + 1\_g** "10 25" -> "21 36" **h sub-replace-\=**

:h help

:h **cmd** Normal mode **cmd** help

:h **i\_cmd** Insert mode **cmd** help

:h **v\_cmd** Visual mode **cmd** help

:h **c\_cmd** Command-line editing **cmd** help

:h **:cmd** Command-line **cmd** help

:h **'option'** **Option** help

:helpgrep Search through all help docs!



:h tags-and-searches

**^]** Jump to tag under cursor, including [tags] in help files

**^t** Jump back up the tag-list

**g^]** Jump to tag if it's the only match; else list matching tags

:h keycodes

<CR> **^m** **\r** Enter

<Tab> **^i** **\t** Tab

<C-**n**> **^n** **Ctrl-n**

<M-**n**> **Alt-n**

<Esc> **^[** Escape

<BS> **^h** **\b** Backspace

<Del> Delete

ons

7 words

:h word-motions

http://www.vimcheatsheet.com

1 WORD

:h options

:set **opt?** View current value of **opt**

:set **noopt** Turn off flag **opt**

:set **opt** Turn on flag **opt**

:set **opt=val** Overwrite value of **opt**

:set **opt+=val** Append to value of **opt**

:echo **&opt** Access **opt** as a variable

:h buffers

:ls List all open files

:b **path** Jump to unique file matching **path**. Use <Tab> to scroll through available completions!

:b**n** Jump to file **n**, number from first column of :ls

:bnext Jump to next file

:bprev Jump to previous file

:bdelete Remove file from the buffer list

:edit Open a file for editing

:enew Open a blank new file for editing

:h windows

:split Split current window horizontally

:vsplit Split current window vertically

**^w hjkl** Move cursor to window left, below, above or to the right of the current window

**^w HJKL** Move current window to left, bottom, top, or right of screen

**^w r** Rotate windows clockwise

**^w +-<>** Increase/decrease current window height/width

**^w T** Move current window to a new tab

:only Close all windows except current window

:bufdo Execute a command in each open file

hidden hid Lets you switch buffers without saving

laststatus ls Show status line never (0), always (2) or with 2+ windows (1)

hlsearch hls Highlight search matches. Also see 'highlight'

number nu Show line numbers

showcmd sc Show commands as you type them

ruler ru Show line and column number of the cursor

backspace bs Set to '2' to make backspace work like sane editors

wrap Control line wrapping

background bg Set to 'dark' if you have a dark color scheme

Use **ā** instead of **ī** when beginning text-object motions to include delimiters or surrounding whitespace. For example, **dī(** will change "(foo)" into "()", but **dā(** will delete the parentheses as well.

## REGISTERS are CLIPBOARDS

All commands that delete, copy, or paste text use registers. To change which register is used by a command, type the register before the command. The default register is called "the unnamed register", and it is invoked with a pair of double-quotes ("**"**"). Typing **dd** or **yy** is the same as typing "**dd**" or "**yy**". Think of the first **"** as a short way of saying "register", so **"** is pronounced "register **"**", and **ā**, "register **ā**".

:h registers

:registers View all current registers

:echo **@r** Access register **r** as a variable

**"/** Last search pattern register Contains the last pattern you searched for

**"-** The black hole register Use this to delete without clobbering any register (**"\_dd**)

**"0** Last yank register Contains the last text you yanked

**"1** Last big delete register Contains the last line(s) you deleted

**"2-"9** Big delete register stack Every time **"1** is written to, its content is pushed to **"2**, then **"2** to **"3**, and so on

**"-** Small delete register Contains the last text you deleted within a single line

**"+** System clipboard If the OS integration gods smile upon you, this register reads and writes to your system clipboard.

**"a-"z** Named registers 26 registers for you to play with

**"A-"Z** Append registers Using upper-case to refer to a register will append to it rather than overwrite it

**qr** Record Record into register **r**. Stop recording by hitting **q** again

**@r** Playback Execute the contents of register **r**

**@@** Repeat last playback Repeat the last **@r**, this is particularly useful with a count

Use **:map** to view all current custom key mappings. Read **:h map-which-keys** for a guide on which keys are best for your own custom mappings. Get used to Vim's help system - it's a fantastic resource!

1st Edition

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Arya Rezaei-Parsa

David MacIver

Christer Edvartson

St. Louis Van Deus

Haralder Tristram Gunnarsson

and others!

vim one-liner used to sort the list of names by length:  
:exe "g/^/let <w> = len(getline('.'))" | normal "aPa " | sort n | :g/normal dw