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\*\* File: Vim and CMD commands \*\*

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\*\* Description: These are my notes that I created based \*\*

\*\* on the editor Vim/Vi and CMD Terminal. \*\*

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vimtutor - This is vim's instructional program that teache's how to

use Vi/Vim.

(~) Tildes - This indicates that the line/file is empty or there is no

text.

view - Enables user to view a file but not edit it while in Vim

Deleting text - x (Delete character)

dw (delete word)

dd (delete line)

u (undo)

ZZ (saved the edited text to the 'work buffer)

d3w (deletes untill the end of third word)

Windows - CONTROL-W s - split the screen

CONTROL-W n - create a new empty window

CONTROL-W w - moves cursor between windows

CONTROL-W q (or :q) - close window without saving

vim -r - recover file/s after system crash

vi -R filename - Creates or open a file in 'read only mode'

control+w - delete text from bottom up

Moving - UP/DOWN:h and j

LEFT/RIGHT: k and l

CHANGE COMMANDS

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cc - removes the entire line

r - Replace a letter

cw - removes a word

R - Overwrites multiple characters. ESC to stop overwriting.

s - removes a letter

S - Removes an entire line, same as with "cc"

ADVANCED COMMANDS

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J - Join the current line with the next line

<< - shift line to the left (works like TAB key but to the left)

>> - shift line to the right (work like TAB key)

~ - convert alphabet to its opposite case (uppercase and lowercase)

^G - CNTRL+G, show current filename and the status

Modes - (1) Command mode: This is when setting up commands before input mode

(2) Input mode: This is when Vi has been opened

Insert ('i' insert before cursor)

Append ('a' append after cursor)

Open ('o' edit before current line 'O' edit after current line)

Replace

Change

Record

(3) Last line mode

: (colon) works with the Command mode

:set ai - set automatic indentation

:set nu - set line numbers in Input mode

:help - display Vi help

:set mouse=a - enable mouse use

:redo - redo

:help window - complete list of window controls

:help compatible- Diplay more details on the

compatible parameters

:help vi-diff - Difference from the

original vi

:help <feature> - <feature> allow you to specify what you

specifically need help with.

:set laststatus=2 - enables showmode(command or

insert mode)

:set laststatus=1 - disable showmode

:x - Position cursor on line

number represented by 'x'

:f - Diplay current filename, current cursor

position and total number of lines in

the file.

:f <filename> - Rename current filename to <filename>

:w <filename> - Write to <filename>

:w <filename> - To name an unnamed file

:w! <filename> - overwrite an existing file

:e <filename> - opens/creates another file in Vi

:cd dirname - Changes current working dir to dirname

:r <filename> - Adds contents in <filename> to the

currently opened file

:nr <filename> - Adds contents in <filename> to the

currently opened file after the 'n'th line.

:e # - Toggle between two opened file

WORD AND CHARACTER SEARCHING

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/ - search from top to bottom

? - search from bottom to the top

:set ic - Ignore case when searching

:set ws - (wrapscan), if the word is not found at the bottom,

it will try to search for it at the top.

SET COMMANDS

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//The below code will change the line numbers in Vim

:highlight LineNr term=bold cterm=NONE ctermfg=DarkGrey ctermbg=NONE gui=NONE

guifg=DrakGrey guibg=NONE

:set ai - autoindentation

:set noai - disable autoindentation

:set nu - line numbers

:set sw - Set width of software tabstop. e.g :set sw=4

:set wm - If this option has a value greater than zero, the editor

will automatically "word wrap". E.g, to set the wrap

margin into two characters, you would type

:set wm=2

:set ro - Changes the file to read only

:set term - Prints terminal type

:set bf - Discards control character from input

n,ps/str1/str2/g - between line number 'n' and 'p', substitute all(global)

occurances of 'str1' by 'str2'

1,$s/str1/str2/g - in the whole file ($:lastline), substitute all occurences of 'str1' by 'str2'

:s/ - Replace text.

e.g :s/"replaced word"/"replacing word"/g the 'g' stands for globally

Syntax:

:[address]:s/old\_text/new\_text/

Address components:

. Current line

n Line number 'n'

.+m Current line plus 'm' lines

$ Last line

/string/ A line that contains "string"

% Entire file

[add1],[add2] Specifie range

:set sm - Show matching set of parentheses

:set nosm - Disable showing of matching parentheses

:set list - Show invisible characters

:set nolist - Disable showig of invisible characters

r<replacing char> - Replaces the letter the cursor is on

e.g rc

this will replace the letter with the

letter "c"

f<letter to find> - Find/seached for a letter

e.g fc this will search for the letter "c"

; - Repeat find

:<number> - Go to line number <number>

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\* GENERAL COMMANDS \*

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ls - List all files within the current working directory

ls -a - List all the files in the current working directory inluding

the system hidden files.

cat - Concatenates file

rm - removes a file

rm \* - Removes all file

rm -i - Removes files but notifies you

rm \*.txt - Removes all the files with the .txt file extension

rm test.\* - Removes all the files with that start with the name "test"

mv - moves file(s)

mv -i - Moves a file but notifies you

lpr - Line printer, queues the job

lprm - Removes a job from the print queue

lpq - Displays a list of jobs in the print queue

grep - Searches for a string

head - Display the beginning of the file (usually the first 10 lines)

tail - Displays the end of the file

sort - Display a file in order

uniq - Removes duplicate files from a file

diff - Compares two file

file - Identifies the contents of a file

|(Pipe) - Communicate between processes

echo - Display text

scrip - Records a shell session

todos/unix2dos - Converts Linux and Mac OS X files to windows format

fromdos/dos2unix - Converts Windows files to Unix/Linux format

uniq - Displays the contents of a file, skipping adjacent

duplicate lines

cntrl+shft+w - Exit(close) an open tab terminal

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\* COMPRESSING AND ARCHIVING A FILE \*

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bzip2 - Compress a file

bzip2 -k - Compress a file but keep the original file

bunzip2 and bzcat - Decompress a file

tar - Packs and unpacks archives

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\* LOCATING COMMANDS \*

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which and whereis - Locate a utility

which - Locates utility by displaying the full pathname

whereis - Searches for file related to a utility by looking

in standard location instead of using your search path

type - Determines whether a shell is a builtin.

slocate/locate - Searches for a file

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\* OBTAINING USER AND SYSTEM INFORMATION \*

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who - Listens who is logged in

who am i - Determines terminal and/or time you logged in

finger - List users on the system

finger II - Lists details about one user

w - List users on the system

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\* COMMUNICATING WITH OTHER USERS \*

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write - sends a message

mesg - Denies or accepts a message

mesg y - Allow other users to send you messages