Vi/vim/gvim Editor commands & configuration (20150815)

Open File: vi <filename/s>   → {vi *.c means open all .c files in the current directory}

Save/Quit: :w
Quit without saving file: :q
Save and quit: :wq
Forcefully Save: :w!   {used to save a Read Only File like /etc/shadow}
Forcefully Quit: :q!   {it will ignore all changes after last save}
Forcefully Save & Quit: :wq!

Editing Commands:

Insert char/s	i		
Insert at start of line	I		
Insert line after	o		
Insert line before	O		
Append after cursor	a		
Append at the EOL	A		
Delete char	x	→{delete **n** char	**nx**}
Delete word	dw	→{delete n words	**ndw**}
Delete line	dd	→{delete n lines	**ndd**}
Delete lines n1 to n2	:n1,n2 d		
Delete rest of the line	D		
Change word	cw	→{change n words	**ncw**}
Change entire line	cc		
Change rest of the line	C		
Replace char	r	→{replace n chars	**nr**}
Replace till <ESC>	R		
Swap char postion	xp		
Undo last edit	u		

Cursor movement:

Go to line no. n :	n		
Go top of file	:1		
Go bottom of file	:$		
Go end of line	$		
Go start of line	0 or ^		
Go up	k or ↑	{Go n lines up	**nk**}
Go down	j or ↓	{Go n lines down	**nj**}
Go left	h or →	{Go to left by n col	**nh**}
Go right	l or ←	{Go to right by n col	**nl**}
Go one screen back	^b or Pg Up		
Go one page down	^f or Pg Dn		
Go to next file	:n	→ {if you opened more than one file}	
Go to Previous file	:N	→ {if you opened more than one file}	

Search & Substitution:

Search	/<string>	→(use **n** for going to next occurrence of ***<string>***)
Substitution	:n1,n2 s/X/Y/options	→ Substitute 'Y' for first occurrence of 'X' between lines n1 & n2
	Options:	*g* – Global Change *c* - Confirm each change

Copy, Cut& Paste:

Yank (Copy)   yy   →{yank n lines **nyy**}

Cut can be of chars **nx** , words **ndw** or lines **ndd** or **:n1,n2 d**

*{After deletion or yank, position the cursor properly and use **p** to paste the deleted chars, words or lines}*

Put   p   → { Equivalent to **Paste**}

Search Patterns (Regular Expression)

Beginning of line   ^   →{Hat}

End of line	$	
Any character	**.**	→{Dot/Point}
Zero or more of previous character	*	→{Star}
Matches any character from A to Z	[A-Z]	
Matches any character from a to z	[a-z]	
Matches any character from 0 to 9	[0-9]	
Matches a, b, or c	[abc]	
Matches any character BUT a, b or c	[^abc]	
escape character for literal: **\ / $. ^ [' & *	~**	\	

General Commands:
Transfer lines	:n1,n2 t n3	→ {transfer lines between n1 & n2 after line n3}
Write to other file	:n1,n2 w <filename>	→{write lines **n1** to **n2** to file filename}
Append to a file	:n1,n2 w>> <file name>	→{Append from lines **n1** to **n2** to file filename}
Read from file	:r <filename>	
Know about file detail	^g	
Refresh Screen	^l	

Set Options:
Prints all option settings	:set all	
Enables option 'option'	:set option	
Disables option 'option'	:set nooption	
Prints current value of 'option'	:set option?	
Prints modified options	:set	
Show Line Numbers	:set nu	
Hide Line Numbers	:set nonu	
Set Auto Indent	:set ai	
Set Ignore Case	:set ic	{for case insensitive search}

Complex Examples:
Remove first 5 char from all the lines	:1,$s/^**…..**//	→{There are 5 dots}
Remove last 5 char from all the lines	:1,$s/**…..**$//	→{There are 5 dots}
Open Multiple Files for comparison or simultaneous reference	→:vsplit <filename>	

User can use .exrc or_vimrc file as a default vi/vim configuration.In Unix/Linux it is called vi/vim. In Windows it is called vi/gvim. .exrc is always kept in user's <HOME> area in Linux.

Sample common_vimrc
```
set nocompatible
source $VIMRUNTIME/vimrc_example.vim
source $VIMRUNTIME/mswin.vim
behave mswin
set nu
set nobackup
set ts=5
set ai
```

Sample common .exrc
```
set nu redraw showmatch beautify autoindent tabstop=5
```

Extra Info
:scriptnames	→list all files that Vim loads during start, including .vimrc file.
:echo($MYVIMRC)	→will give you the location of your .vimrc file.
:e $MYVIMRC	→will open .vimrc file.

Multiple string search
/^fail.*warn.*down/ →find *fail* **AND** *warn* **AND** *down* (*fail* at start of line)
/fail\|warn →Search for fail **OR** warn