Vim

Modes

Normal, Insert, Command Line, Visual (visual, visual block, visual line)

Cursor control

h: left | j: down | k: up | l: right

<esc> : go to normal mode
:q! <enter> : quit editor and don't save
:wq <enter> : quit and save
:w <filename>: to save file under filename
vim <filename> : to start Vim editor and edit <filename>

x : delete character at cursor
i: insert characters at cursor
a: append characters after cursor
A: append character to end of line
o: create new line below cursor and enter insert mode
O: create new line above cursor and enter insert mode

Combine operator and motion

d - is the delete operator / cut
c - is the change operator (deletes the word and enters Insert mode)
y - yank(copy)

motion - is what the operator will operate on (listed below).
list of motions:
   w - until the start of the next word, EXCLUDING its first character.
   e - to the end of the current word, INCLUDING the last character.
   $ - to the end of the line, INCLUDING the last character.
   j$ - end of next line
   b - previous word
motion will still work without operator
number + motion : repeat motion by number of times(e.g. 2w, 3e)
- 0 to go to start of line
operator + number + motion (works as well)

dd: delete whole line (can number + dd)
p: put deleted text after cursor(if deleted entire line, line goes below cursor)

u: undo last command
U: undo changes done on this line
CTRL-r: undo the undo

r: replace char at cursor with next char u type
R: replace char at cursor with next char u type and continue to replace next char

CTRL-g: show location in file and file status
G: go to end of file
gg: go to start of file
(number) + G: go to line (number)
:<number> : also go to line number

/: search for text that u type next
?: search for text from bottom of file
n: to search for same text
N: to search for same text in opp. direction
CTRL-o: go back where you came from
CTRL-i: go forward
:set ic : ignore case when searching
:set noic: disable ignore case
/<search>\c : to ignore case for just 1 search
:set hls is : highlight search found (is== incsearch: show partial matches)

:nohlsearch: remove highlighted searches

%: when cursor on ([{, go to its matching bracket

:s/old/new/ :change first occurrence of 'old' to 'new'
:s/old/new/g :change first occurrence of 'old' to 'new' globally(in whole line)
:#,#s/old/new/g: where #,# are line numbers (change all occurrence of 'old' to 'new' in between the 2 lines)
:%s/old/new/g: change every occurrence in whole file
:%s/old/new/gc: find every occurrence in whole file and ask for confirmation to change

:! :followed by external command + <enter> to execute command in terminal
:!ls : listing of directory
:!rm <filename> : to remove file

SHIFT-v (enter visual line mode; highlight entire line)
CTRL-v (enter visual block mode)

Save lines of text to file
1. v: start highlighting text by moving cursor (enter visual mode)
2. :
3. w <filename> : to save file

:r <filename> : to retrieve and insert contents of file

After highlighting text
1. can type d to delete

2. can type y to yank(copy)
move cursor to where to insert
type p to paste text
then <esc> to exit insert mode

:help <enter> : get help
CTRL-w CTRL-w: jump from one window to another
:q : quit
:help <search> <enter>: find help for specific keywords

:e ~/.vimrc : start editing vimrc file to keep preferred settings

:e then CTRL-d: to show list of commands staring with 'e'
<tab> : to select one of the commands

vim -p <file1> <file2> <file3>: to open multiple files in vim
gt: go to next tab
gT: go to previous tab
:split <other file>:split screen horizontally
:vsplit <other file>:split vertically
CTRL-w CTRL-w: jump from one window to another

:set showcmd
:tabenew <filename> :open another file in another tab

- vim HelloWorld.java
- *# write some stuff*
- javac HelloWorld.java
- java HelloWorld