

# Vim Notes

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23/08/2024

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# 1 Movement Commands

## 1.1 Basic Movement

- ‘M’: Move to the middle of the screen.
- ‘L’: Move to the bottom of the screen.
- ‘H’: Moves the cursor to the top of the screen.
- ‘5gg’ or ‘5G’: Go to line 5.
- ‘fx’: Jump to the next occurrence of character x.
- ‘j’, ‘k’: Move down and up respectively.
- ‘h’, ‘l’: Move left and right respectively.
- ‘5j’, ‘5k’: Move 5 lines down or up.

## 1.2 Line Navigation

- \$: End of the line.
- 0: Beginning of the line.
- -: First character of the line.

## 1.3 Scrolling

- ‘Ctrl + e’: Scroll screen down one line.
- ‘Ctrl + y’: Scroll screen up one line.
- ‘Ctrl + f’: Scroll full page down.
- ‘Ctrl + b’: Scroll full page up.
- ‘Ctrl + d’: Scroll half page down.
- ‘Ctrl + u’: Scroll half page up.

## 1.4 Word and Sentence Navigation

- ‘w’: Move forward word by word.
- ‘b’: Move backward word by word.
- ‘e’: Jump to the end of a word.
- ‘f’, ‘F’: Move to the next/previous occurrence of the period.
- ‘(’, ‘)’: Move up or down by sentence.
- ‘“’, ‘”’: Move up or down by paragraph.

## 1.5 File Navigation

- ‘gg’: Go to the start of the file.
- ‘G’: Go to the end of the file.
- ‘10gg’: Go to line 10.

## 1.6 Cursor Positioning

- ‘H’, ‘M’, ‘L’: Move the cursor to the top, middle, or bottom of the screen.
- ‘Ctrl + w + h/j/k/l’: Navigate between split windows.

## 2 Insert Mode

### 2.1 Basic Insert Commands

- ‘i’: Insert before the cursor.
- ‘a’: Insert after the cursor.
- ‘I’: Insert at the beginning of the line.
- ‘A’: Insert at the end of the line.
- ‘o’: Open a new line below the current line.
- ‘O’: Open a new line above the current line.

### 2.2 . Text Manipulation

- ‘c’: Change a word.
- ‘s’: Replace the current character.
- ‘ci’’, ‘di’(: Change or delete inside quotes/parentheses.

## 3 Copy, Paste, and Undo

### 3.1 Basic Operations

- ‘y’: Yank (copy).
- ‘p’: Paste.
- ‘yy’: Copy a line.
- ‘u’: Undo the last change.
- ‘Ctrl + r’: Redo the last undone change.

### 3.2 Deleting

- ‘diw’: Delete a word.
- ‘dis’: Delete a sentence.
- ‘dip’: Delete a paragraph.
- ‘dd’: Delete a line.
- ‘dtX.’: Delete up to but not including X.

## 4 Searching and Replacing

### 4.1 . Searching

- ‘/’: Search forward.
- ‘n’: Move to the next occurrence.
- ‘N’: Move to the previous occurrence.
- ‘\*’: Search for the word under the cursor.
- ‘\_’: Backward search.

### 4.2 Replacing

- ‘s/thee/the/g’: Replace ”thee” with ”the” in the current line.
- ‘:’
- ‘:#,#s/old/new/g’: Replace within a specific range of lines.

### 4.3 Bookmarks and Macros

#### 4.4 . Bookmarks

- ‘ma’: Mark bookmark ”a”.
- ‘a’: Go to bookmark ”a”.
- ‘:marks’: List all bookmarks.
- ‘:delmarks a’: Delete bookmark ”a”.

#### 4.5 Macros

- ‘q + letter’: Start recording a macro.
- ‘q’: Stop recording.
- ‘@letter’: Replay macro.
- ‘5@letter’: Replay macro 5 times.

## 5 Visual Mode

### 5.1 . Basic Visual Mode

- ‘v’: Start visual mode.
- ‘V’: Start visual line mode.
- ‘Ctrl + v’: Start visual block mode.
- ‘shift + v’: Highlight the whole line.
- ‘shift + j’: Join the line below to the current line.

## 5.2 Text Selection

- ‘vi(‘: Select inside parentheses.
- ‘va(‘: Select around parentheses.
- ‘vip‘: Select inside paragraph.

## 5.3 Visual Mode Editing

- ‘gv‘: Re-select the last visual selection.
- ‘U‘: Uppercase the selected text.
- ‘shift + ‘: Toggle case of the selected character.

# 6 Advanced Commands

## 6.1 . Split Windows

- ‘Ctrl + w + s‘: Split window horizontally.
- ‘Ctrl + w + v‘: Split window vertically.
- ‘:new‘: Open a new buffer.
- ‘:tabe filename‘: Open the file in a new tab.

## 6.2 Line Operations

- ‘J‘: Join two lines.
- ‘:m-2‘: Move current line up by two lines.
- ‘m+2‘: Move current line down by two lines.

## 6.3 Registers

- ‘”3p‘: Paste from the 3rd register.
- ‘”7y‘: Yank into the 7th register.
- ‘:reg‘: List all registers.
- ‘put a‘: Paste register ”a” content.

## 6.4 Increment and Decrement

- ‘Ctrl + a‘: Increment a number under the cursor.
- ‘Ctrl + x‘: Decrement a number under the cursor.

## 7 Plugin and Tools

### 7.1 . Harpoon

- ‘qq’: Open Harpoon menu.
- ‘qw’: Add Harpoon.
- ‘leader + 1/2/3’: Navigate Harpoon marks.
- ‘t1’, ‘t2’: Open terminal 1 and 2.

### 7.2 Oil.nvim

- File management and navigation.

- ‘-’: open file explorer.

### 7.3 Other Useful Plugins

- ‘gitsigns’: Git integration.
- ‘mason’: Manage language servers.
- ‘Telescope’: Fuzzy finder.
- ‘Glow’: Markdown viewer.

## 8 Miscellaneous

### 8.1 . Clipboard and Registers

- “\*”: Access system clipboard.
- “3p”: Paste from register 3.

### 8.2 File Operations

- ‘wqa’: Write and quit all files.
- ‘ZZ’: Save and quit.
- ‘ZQ’: Quit without saving.
- ‘!sort’: Sort selected lines.
- ‘:! figlet’: ASCII art generator.

### 8.3 Other Shortcuts

- ‘Ctrl + z’: Suspend Neovim, ‘fg’ to resume.
- ‘Ctrl + s’: Open in split.
- ‘gf’: Open file under cursor.
- ‘gx’: Open link in browser.