**Basic Vim Commands**

| **Command** | **Description** |
| --- | --- |
| vim filename | Open a file in Vim |
| :w | Save file (write) |
| :q | Quit Vim |
| :wq / :x | Save and exit |
| :q! | Quit without saving |
| :w filename | Save file with a different name |

**Navigation Commands**

| **Command** | **Description** |
| --- | --- |
| h | Move cursor left |
| l | Move cursor right |
| j | Move cursor down |
| k | Move cursor up |
| 0 | Move to the beginning of the line |
| ^ | Move to the first non-blank character of the line |
| $ | Move to the end of the line |
| w | Jump to the beginning of the next word |
| b | Jump to the beginning of the previous word |
| e | Jump to the end of the current word |
| gg | Move to the beginning of the file |
| G | Move to the end of the file |
| nG | Move to line number n (e.g., 10G moves to line 10) |
| Ctrl-d | Scroll down half a page |
| Ctrl-u | Scroll up half a page |
| Ctrl-f | Scroll forward one full screen |
| Ctrl-b | Scroll backward one full screen |

**Editing Commands**

| **Command** | **Description** |
| --- | --- |
| i | Insert mode before cursor |
| I | Insert at the beginning of the line |
| a | Append after the cursor |
| A | Append at the end of the line |
| o | Open a new line below and enter insert mode |
| O | Open a new line above and enter insert mode |
| x | Delete a character |
| X | Delete a character before the cursor |
| dd | Delete the current line |
| D | Delete from the cursor position to the end of the line |
| dw | Delete a word |
| d$ | Delete to the end of the line |
| d0 | Delete to the beginning of the line |
| u | Undo last action |
| Ctrl-r | Redo last undone change |
| yy | Copy (yank) the current line |
| y$ | Copy (yank) from the cursor to the end of the line |
| p | Paste after the cursor |
| P | Paste before the cursor |

**Search and Replace**

| **Command** | **Description** |
| --- | --- |
| /pattern | Search forward for "pattern" |
| ?pattern | Search backward for "pattern" |
| n | Repeat the last search forward |
| N | Repeat the last search backward |
| :%s/old/new/g | Replace "old" with "new" in the whole file |
| :s/old/new/g | Replace all occurrences in the current line |
| :%s/old/new/gc | Replace with confirmation |

**Working with Multiple Files**

| **Command** | **Description** |
| --- | --- |
| :e filename | Open another file |
| :bn | Go to next buffer |
| :bp | Go to previous buffer |
| :bd | Close buffer |
| :split filename | Split window and open file |
| :vsplit filename | Split window vertically and open file |
| Ctrl-w w | Switch between split windows |
| Ctrl-w q | Close current window |

**Working with Blocks of Text**

| **Command** | **Description** |
| --- | --- |
| V | Select entire line |
| v | Select text (character-wise) |
| Ctrl-v | Select text block (visual block mode) |
| y | Copy selected text |
| d | Delete selected text |
| > | Indent selected text |
| < | Un-indent selected text |

**File Management**

| **Command** | **Description** |
| --- | --- |
| :r filename | Insert contents of another file |
| :w !sudo tee % | Save file with root permission (useful for editing system files) |

**Useful Shortcuts for Linux Admins**

| **Command** | **Description** |
| --- | --- |
| :set nu | Show line numbers |
| :set nonu | Hide line numbers |
| :set list | Show hidden characters (tabs, spaces) |
| :set paste | Enable paste mode to avoid indentation issues |
| :set ignorecase | Ignore case in searches |
| :set noignorecase | Case-sensitive searches |

**Exiting Without Saving in Case of an Issue**

If Vim becomes unresponsive due to an issue, you can exit using:

bash

CopyEdit

:q!

or force exit with:

bash

CopyEdit

:qa!

This list covers most of the commands a **Linux administrator** would frequently use. Let me know if you need more details on any command! 🚀