VIM - Vi IMproved

A screenshot of a computer

Description automatically generated

# Opening Vim

* To open Vim, type `vim` in the terminal.
* To open a specific file with Vim, type `vim filename`.

# Modes in Vim

Vim operates in several modes.

* **Normal Mode**: Normal mode is the default mode in Vim when you open a file or when you press **`Esc`** from any other mode. In normal mode you can:

1. Navigate the Text:

* Move the cursor around using keys like **`h`**, **`j`**, **`k`**, and **`l`** for left, down, up, and right, respectively.
* Jump between words with **`w`** (next word) and **`b`** (previous word).
* Move to the beginning and end of lines with **`0`** and **`$`**.
* Navigate by paragraphs or sections with **`{`** and **`}`**.

1. Modify the Text:

* Delete characters, words, and lines with **`x`**, **`dw`**, and **`dd`**, etc.
* Copy (yank) and paste (put) text with commands like **`yy`** (lank a line) and **`p`** (paste below the current line).
* **Insert Mode**: For inserting and editing text.
* Press **`i`** to enter Insert mode from Normal mode.
* Press **`Esc`** to return to normal mode.
* **Visual Mode**: For selecting blocks of text.
* Press **`v`** to enter Visual mode.
* Use arrow keys to select text, then press **`d`** to delete **`y`** to yank (copy), etc.
* **Command-Line Mode**: For running Vim commands. Press **`:`** to enter Command-Line mode.

**Basic File-Operation Commands:**

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| --- | --- |
| **Command** | **Action** |
| `:w` | Write (save) the current file to disk. |
| `:w filename` | Save the file with a new name. |
| `:q` | Quit Vim. |
| `:q!` | Quit without saving changes. |
| `:wq` or `:x` | Save the file and quit. |
| `:e filename` | Open a new file. |
| `:r filename` | Insert the content of another file at the cursor position. |

# Basic Navigation in Vim

|  |  |
| --- | --- |
| **Key** | **Action** |
| `h` | Move left. |
| `j` | Move down. |
| `k` | Move up. |
| `l` | Move right. |
| `0` | Move to the beginning of the line. |
| `$` | Move the end of the line. |
| `w` | Move forward one word. |
| `b` | Move backward one word. |
| `gg` | Move to the beginning of the file. |
| `G` | Move to the end of the file. |