

Here is a comparison of basic commands and keybindings for the **nano** and **vim** text editors:

Nano Text Editor

- **Basic Commands:**

- `Ctrl + O`: Save the file (write out).
- `Ctrl + X`: Exit the editor.
- `Ctrl + W`: Search for a string in the file.
- `Ctrl + K`: Cut (delete) the current line.
- `Ctrl + U`: Paste the cut line.
- `Ctrl + J`: Justify the text.
- `Ctrl + C`: Show the current cursor position (line and column).
- `Ctrl + G`: Open help documentation.

- **Navigation Keys:**

- `Arrow keys`: Move the cursor.
- `Ctrl + A`: Move to the beginning of the line.
- `Ctrl + E`: Move to the end of the line.
- `Ctrl + Y`: Scroll up one page.
- `Ctrl + V`: Scroll down one page.
- `Ctrl + _`: Go to a specific line number.

- **Text Manipulation:**

- `Ctrl + T`: Spell check (if supported).
- `Ctrl + D`: Delete the character under the cursor.
- `Ctrl + Shift + 6`: Set a mark (start of selection) for copying text.

Vim Text Editor

- **Modes:**

- **Normal mode**: Default mode for navigating and issuing commands.
- **Insert mode**: Type and edit text (Press `i` to enter insert mode).
- **Visual mode**: For selecting text (Press `v` to start selection).
- **Command-line mode**: For saving, quitting, etc. (Press `:` to enter command mode).

- **Basic Commands:**

- `:w`: Save the file.
- `:q`: Quit the editor.
- `:wq` or `ZZ`: Save and quit.
- `:q!`: Quit without saving.
- `:x`: Save and quit (same as `:wq`).

- **Navigation Keys:**

- `h` : Move left (in Normal mode).
- `j` : Move down.
- `k` : Move up.
- `l` : Move right.
- `Ctrl + f` : Scroll down one page.
- `Ctrl + b` : Scroll up one page.
- `0` : Move to the beginning of the line.
- `$` : Move to the end of the line.
- `gg` : Move to the beginning of the document.
- `G` : Move to the end of the document.

- **Text Manipulation:**

- `i` : Enter Insert mode before the cursor.
- `a` : Enter Insert mode after the cursor.
- `d` : Delete text (use with a movement command, e.g., `dw` to delete a word).
- `x` : Delete the character under the cursor.
- `y` : Yank (copy) text (use with a movement command, e.g., `yy` to yank a line).
- `p` : Paste the yanked or deleted text.

- **Searching:**

- `/search_term` : Search forward for a term.
- `?search_term` : Search backward for a term.
- `n` : Go to the next search result.
- `N` : Go to the previous search result.

- **Undo/Redo:**

- `u` : Undo the last action.
- `Ctrl + r` : Redo the undone action.

- **Visual Mode:**

- `v` : Start selecting text (character-wise).
- `V` : Start selecting text (line-wise).
- `y` : Yank (copy) the selected text.
- `d` : Delete the selected text.

Summary of Key Differences:

- **Nano** is more beginner-friendly, with simpler keybindings for basic tasks like saving and quitting. It operates mostly in one mode.

- **Vim** is more powerful and flexible, using different modes for different tasks (Normal, Insert, Visual, Command-line). It requires more learning but offers greater control and efficiency once mastered.