nano:

- **"Nano"** is a simple and user-friendly command-line text editor that comes **pre-installed on** many **Linux distributions**.

- It is especially useful for beginners because of its straightforward interface and easy-to-use commands.

1. **Opening a file with nano:**

   ⇒ **nano filename.extension**
   eg: nano hello.txt

2. **Edit the file with nano:**

   Once the file is opened in "nano," you can start editing it. The text editor interface will appear, and you'll see your file's content.

3. **Navigate within the File;**

   Use the **arrow keys (up, down, left, right)** to move the cursor to the desired location in the file.

4. **Make Changes to the File:**

   To make changes to the text, simply start typing. The text will appear at the cursor's position.

5. **(Optional) Searching within a file:**

   To search for a specific word or phrase within the file, press:
   ⇒ **Ctrl + w**

6. **(Optional) Deleting text:**

   To delete characters, position the cursor where you want to begin the deletion and use the Delete (**DEL**) or **Backspace** keys.

   If you want to **delete** an **entire line**, press:
   ⇒ **Ctrl + k**   (this will **cut** the line)

To paste the **cut** line or copied text from the buffer:
⇒ **Ctrl + u**

7. Undoing changes:

Nano supports undo functionality. To undo the most recent change, press:
⇒ **Alt + U**

8. Save the Changes:

To save the changes you've made, press `Ctrl + O`.

This will **prompt you to confirm the filename** to save the changes.

Press Enter to save the changes under the same filename.
OR, type a **different filename** and press **Enter** to save it under a new name.

9. Exit nano:

To **exit** the "nano" editor, press `Ctrl + x`

If you have **unsaved changes,** "nano" will **prompt** you **to save** them before exiting. Press **Y to save** the changes or **N to discard** them & press **Enter** to **save** under same filename.

NOTE: If u accidentally receive "Enter line number, column number" then to exit from the message, press "**Ctrl + c**" to cancel.

Most used Shortcuts on nano editor:

1. **Ctrl + G:** Display the help menu, which provides a list of available keyboard shortcuts in the editor.

2. **Ctrl + O:** Write the current contents to a file. This shortcut is used for saving changes.

3. **Ctrl + X:** Exit the "nano" editor. If there are unsaved changes, it will prompt you to save them before exiting.

4. **Ctrl + W:** Search for a string or a word within the text. After pressing this shortcut, type the search term and press Enter to find the next occurrence.

5. ****Ctrl + **:** Replace text. This shortcut allows you to search for a string and replace it with another one.

6. **Ctrl + K:** Cut (delete) the current line. The cut line is stored in the editor's buffer and can be pasted using "Ctrl + U."

7. **Ctrl + U:** Paste the cut line or copied text from the buffer. It inserts the text at the cursor position.

8. **Ctrl + C:** Show the current cursor position (line number and column number).

9. **Ctrl + _ (Ctrl + Shift + -):** Go to a specific line number. After pressing this shortcut, type the line number and press Enter to jump to that line.

10. **Ctrl + A:** Move the cursor to the beginning of the current line.

11. **Ctrl + E:** Move the cursor to the end of the current line.

12. **Ctrl + Y:** Scroll one page up in the text.

13. **Ctrl + V:** Scroll one page down in the text.

14. **Ctrl + P:** Move the cursor to the previous line (up).

15. **Ctrl + N:** Move the cursor to the next line (down).

16. **Alt + A:** Mark text for selecting and copying (toggle on/off). After marking the text, you can copy it using "Ctrl + K" or cut it using "Ctrl + ^."

17. **Ctrl + ^:** (Ctrl + Shift + 6) Cut (delete) the marked text and store it in the editor's buffer.

18. **Alt + 6:** Copy the marked text to the editor's buffer.

19. **Alt + 8:** Paste the text from the editor's buffer.
20. **Alt + U:** Undo the last action.
21. **Alt + E:** Redo the last undone action.