

| CATEGORY               | CLI?<br>GUI<br>? | NAME (cmd)  | DESCRIPTION            | NOTABLE FEATURES  |
|------------------------|------------------|-------------|------------------------|---|
| <b>TEXT EDITORS</b>    |                  |             |                        |   |
|                        | CLI-ish          | nano        | simple text editor     | simple, undo/redo, regular expressions-capable search and replace   |
|                        | CLI              | emacs       | powerful text editor   | autosave, spell-checking, regular expressions-capable search and replace                                      |
|                        | GUI              | gedit       | extensible text editor | file browser in side panel, multiple files in tabs, undo/redo, regular expressions-capable search and replace |
|                        | GUI              | geany       | extensible text editor | Column / block / vertical select (via Shift + Ctrl + arrow keys)  |
|                        | GUI              | oowriter    | WYSIWG text editor     | compatibility with Microsoft Office   |
| <b>FILE MANAGERS</b>   |                  |             |                        |   |
|                        | GUI              | thunar      | GUI file manager       | bulk renaming, custom actions, fast   |
|                        | GUI              | nautilus    | GUI file manager       | tabs  |
| <b>GRAPHIC EDITORS</b> |                  |             |                        |   |
|                        | GUI              | inkscape    | Vector image editor    | many features   |
|                        | GUI<br>CLI       | ImageMagick | Image editors, viewer  | very scriptable   |
|                        | GUI              | oodraw      | Vector image editor    | Full featured. Flow charts.   |

|                           |     |   |   |  |
|---------------------------|-----|---|---|--|
|                           | GUI | oomath  | Equation & formula editor                             | Fractions, exponents, formulas, ...  |
| <b>GRAPHIC VIEWERS</b>    |     |   |   |  |
|                           | GUI | gv  | Postscript & PDF viewer                               | Many options   |
|                           | GUI | gs  | Postscript & PDF viewer                               | This is Ghostscript<br>Many options  |
|                           | GUI | xpdf  | Postscript & PDF viewer                               |  |
| <b>TERMINAL EMULATORS</b> |     | MobaXterm is probably the best for Windows users. |   |  |
|                           | GUI | terminator  | enhanced terminal emulator (can use instead of xterm) | can split horizontally or vertically, find text in session, horizontal & vertical scrolling, safe quit |
| <b>SPREADSHEETS</b>       |     |   |   |  |
|                           | GUI | oocalc  | WYSIWG spreadsheet                                    | Full featured.   |
| <b>WEB BROWSERS</b>       |     |   |   |  |
|                           | GUI | chromium-browser                                  |   | You can browse local files, in order to for example look at a JPG, PDF or TXT file                     |
|                           | GUI | firefox   |   | same as above  |

| HOMEPAGE & TUTORIALS  | COMMENTS  |
|---|---|
| <a href="https://en.wikipedia.org/wiki/GNU_nano">https://en.wikipedia.org/wiki/GNU_nano</a>   | Fast. More features than you would think. Read the built-in help.   |
| <a href="https://en.wikipedia.org/wiki/GNU_Emacs">https://en.wikipedia.org/wiki/GNU_Emacs</a><br><a href="https://www.gnu.org/software/emacs/">https://www.gnu.org/software/emacs/</a>                      | Opens an X11 window if DISPLAY is set. If you want the CLI version, use the "--no-window-system" (shortcut: "-nw") argument. To exit from CLI version, type control-x then control-c.<br>First released 20 March 1985 |
| <a href="https://wiki.gnome.org/Apps/Gedit">https://wiki.gnome.org/Apps/Gedit</a><br><a href="https://en.wikipedia.org/wiki/Gedit">https://en.wikipedia.org/wiki/Gedit</a>                                  |   |
| <a href="https://www.geany.org/manual/current/index.html">https://www.geany.org/manual/current/index.html</a><br> <br><a href="https://en.wikipedia.org/wiki/Geany">https://en.wikipedia.org/wiki/Geany</a> | Very powerful, esp if you enable plugins (under Tools menu).  |
| <a href="https://www.libreoffice.org/discover/writer/">https://www.libreoffice.org/discover/writer/</a>   |   |
| <a href="https://en.wikipedia.org/wiki/Thunar">https://en.wikipedia.org/wiki/Thunar</a><br><a href="https://docs.xfce.org/xfce/thunar/start">https://docs.xfce.org/xfce/thunar/start</a>                    | View menu—>Show Hidden Files  |
| <a href="https://apps.gnome.org/Nautilus/">https://apps.gnome.org/Nautilus/</a>   | As with all of these apps, useful features enabled by visiting preferences. Some features won't work b/c we haven't installed the whole GNOME constellation of pkgs.  |
| <a href="https://inkscape.org/about/features/">https://inkscape.org/about/features/</a>   | Fast  |
| <a href="https://github.com/ImageMagick/ImageMagick6">https://github.com/ImageMagick/ImageMagick6</a>   | Many programs available, "display" is viewer  |
| <a href="https://www.libreoffice.org/discover/draw/">https://www.libreoffice.org/discover/draw/</a>   |   |

|   |  |
|---|--|
| <a href="https://www.libreoffice.org/discover/math/">https://www.libreoffice.org/discover/math/</a>   |  |
|   |  |
| <a href="https://www.geeksforgeeks.org/gs-command-in-linux-with-examples/#">https://www.geeksforgeeks.org/gs-command-in-linux-with-examples/#</a> | Use "gs -h" to see possible output "devices" you can specify, such as "jpeg", "pdfwrite", "textwrite" or "x11" |
|   |  |
| <a href="https://en.wikipedia.org/wiki/Terminator_(terminal_emulator)">https://en.wikipedia.org/wiki/Terminator_(terminal_emulator)</a>           |  |
|   |  |
| <a href="https://www.libreoffice.org/discover/calc/">https://www.libreoffice.org/discover/calc/</a>   |  |
|   |  |
|   | Enter ~ in the location bar to open your home directory.   |
|   | same as above  |