emacs,linux

"The customizable, extensible, self documenting, real-time display editor."

Defining Features

- customizable (no programming required)
 - users can customize fonts, colors, etc. in ~/.emacs
- extensible (programming required)
 - run Lisp scripts to define new commands (dired)
- self-documenting
 - C-h r (manual) and C-h t (tutorial)
- real-time
 - edits are displayed onscreen as they occur

Getting Started with emacs

- · emacs comes preinstalled with linux
- has both a GUI and CLI
- all emacs commands start with C- or M-
 - · C- is Control +
 - M- is Meta(Alt) +
 - If Alt key does not work, press Esc first (not simultaneously)
- starting emacs
 - o emacs <filename>
- exiting emacs
 - ∘ C-x C-c

Basic Editing

- insert text by simply typing it
- **undo**: C-x u
- save changes: C-x C-s
- · copy, cut, paste
 - M-w (copy), C-w (kill), C-y (yank)
- command repetition
 - M-# <command> (M-2 C-n goes next 2 lines)

Directory Edit (dired) (C-x d)

- creates an emacs buffer containing list of dir
- · allows you to operate on files
 - remove, rename, encrypt, decrypt, edit
- · allows you to navigate filesystem
 - switch to different directories and list content

Other emacs Tricks

emacs as shell

- run shell commands
- M-! <command>, M-x shell (interactive shell)

emacs as IDE

- compile programs
- M-x compile, then specify command to compile
- tip for hw: gcc hello.c -o hello
- run the executable by running the shell command
 - ./hello