

# Emacs tutorial

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# Screen layout

- emacs reference card – very helpful!!!!
- <http://www.gnu.org/software/emacs/refcards/pdf/refcard.pdf>
- ^ - ctrl key; M- meta key. Meta usually esc, also option key on mac
  - key-key hold down both keys ^-y
  - key key - release between keys, usually in combination M-g g
- \$emacs filename – to open file
  - \$emacs without a filename brings you into emacs buffer
- Greybar - file name, line number, percentage, command executed

# Files

- **Exit a file:** `^_x ^_c`
- **Save:** `^_x ^_s`
  - `filename~` - last saved version
  - `#filename#` - auto recovery of unsaved file
- **Save as:** `^_x ^_w`
- **Find file:** `^_x ^_f` - will open a new file if does not exist
- **Kill command (quit):** - `^_g`
- **Split screen horizontally:** `^_x 2`: (`C-x 3` vertically)
- **Move between screens:** `^_x o`
- **Close active screen:** `^_x 0`
- **Close non-active screen:** `^_x 1`
- **Add line-numbers:** `M-x global-linum-mode`

# File editing

- **Search forward:** `^s` **Search reverse:** `^r`
- **Search all occurrences :** `M-x occur`
- **Undo:** `^shift-_`
- **Go to line #:** `M-g g`
- **Beginning of line:** `^a` **End of line:** `^e`
- **Move backward by word:** `M-b` **forward:** `M-f`
- **Beginning of buffer:** `M-<` **End of buffer:** `M->`
- **Search & replace:** `M-%` - enter text to search and replace; spacebar -replace one occurrence at a time); `!` replace all occurrences without asking
- **Search & replace all:** `M-x` - replace-string – enter change and replaces all occurrences

# File editing

- **Advance one screen:** `^v` **Reverse one screen:** `M-v`
- **Cut:** `^space` at beginning of text, `^-w` and end of text
- **Copy:** `^space` at beginning of text, `M-w` and end of text
- **Paste:** `^-y`
- **Line wrapping:** `M-x toggle-truncate-lines`
- **Bracket highlighting:** `M-x show-paren-mode`

# Block editing

## Remove a block:

- **^space** at beginning (upper left corner)
- **^x r k** - set at bottom right, one column beyond what you want cut
- **^shift-\_** - undo cut

## String rectangle (add comments to code)

**^space** at beginning (upper left corner)

- **^x r t** - add pattern at prompt
- **^x r k** - to remove if several steps later

# Real Programmers

