

# ExerciseCheatsheet

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## 1 Emacs Shortcuts for Exercise

### 1.1 File/General Utilities

- C-g - stop command \*\*\*STOP EMACS IN ITS TRACKS\*\*\*
- C-x C-c - exits emacs
- C-x C-s - saves file
- C-x C-f - opens file
- C-x k - kills a buffer
- C-x 1 - single window
- C-x 2 - horizontal 2 pane
- C-x 3 - vertical 2 pane

- M-x - run command
- C-x o move between buffers

## 1.2 Terminal

- M-x term - start terminal
- C-c C-J charmode -> linemode
- C-c C-k linemode -> charmode

## 1.3 Text Editing

- C-f - forward 1 character
- C-b - backward 1 character
- C-n - down 1 line
- C-p - up 1 line
- C-a - beginning of line
- C-e - end of line

## 1.4 Copy/Paste

- C-space - set mark; select area
- C-w - cut
- M-w - copy
- C-y - paste

## 2 .emacs

The .emacs configuration file is written in elisp. The “;” is a comment similar to “#” in shell scripting

```

;; .emacs

;;-----;;
;;automatic line numbers

;;(global-linum-mode t)

;;python
;;(defun my-python-mode-hook ()
;;  (linum-mode 1))
;;(add-hook 'python-mode-hook 'my-python-mode-hook)

;;R
(autoload 'R-mode "ess-site.el" "" t)
(add-to-list 'auto-mode-alist '("\\.R\\'" . R-mode))

;;(defun my-R-mode-hook ()
;;(linum-mode 1))

;;(add-hook 'python-mode-hook 'my-R-mode-hook)

;;Perl

;;Shell

;;-----;;

;;; uncomment for CJK utf-8 support for non-Asian users
;; (require 'un-define)
(custom-set-faces
  ;; custom-set-faces was added by Custom.
  ;; If you edit it by hand, you could mess it up, so be careful.
  ;; Your init file should contain only one such instance.
  ;; If there is more than one, they won't work right.
)

;;-----;;
;;Added Sefick 20160525
(require 'package) ;; You might already have this line

```

```

(add-to-list 'package-archives
              '("melpa-stable" . "https://stable.melpa.org/packages/") t)
(when (< emacs-major-version 24)
  ;; For important compatibility libraries like cl-lib
  (add-to-list 'package-archives '("gnu" . "http://elpa.gnu.org/packages/")))
(package-initialize) ;; You might already have this line
;;-----;;

;;-----;;
;;Added Sefick 20160712
;;elpy

;;(pyvenv-activate (expand-file-name "~/anaconda3/bin/python3"))

(package-initialize)
(elpy-enable)
(setq elpy-rpc-backend "jedi")

;;-----;;
;;python2; uncomment python3 block
;;(elpy-use-ipython "ipython3")
;;-----;;

;;-----;;
;;python3
(elpy-use-ipython "~/anaconda3/bin/ipython3")
(setq elpy-rpc-python-command "~/anaconda3/bin/python3")
;;(setq python-check-command (expand-file-name "~/anaconda3/lib/python3.5/site-packages

;;(setq python-check-command "flake8")

;;-----;;

(autoload 'jedi:setup "jedi" nil t)
(add-hook 'python-mode-hook 'jedi:setup)
(setq jedi:setup-keys t)
(setq jedi:complete-on-dot t)

;;(add-hook 'python-mode-hook 'anaconda-mode)

```

```

;;-----;;

;;-----;;
;;Added Sefick 20160712
;;Sepia

      (add-to-list 'load-path "~/elisp")
      (setq sepia-perl5lib (list (expand-file-name "~/elisp/lib")))
      (defalias 'perl-mode 'sepia-mode)
      (require 'sepia)

;;-----;;

;;-----;;
;;Added Sefick 20160712
;;Markdown

(autoload 'markdown-mode "markdown-mode"
  "Major mode for editing Markdown files" t)
(add-to-list 'auto-mode-alist '("\\.markdown\\'" . markdown-mode))
(add-to-list 'auto-mode-alist '("\\.md\\'" . markdown-mode))

;;github markdown out with pandocs - modified from https://gist.github.com/fredRos/0e3
(add-to-list 'auto-mode-alist '("README\\.md\\'" . gfm-mode))
(setq markdown-command "pandoc -c ~/.emacs.d/github-pandoc.css --from markdown_github -

;;gfm-mode not working...
;;(autoload 'gfm-mode "gfm-mode"
;;  "Major mode for editing GitHub Flavored Markdown files" t)
;;(add-to-list 'auto-mode-alist '("README\\.md\\'" . gfm-mode))

;;-----;;

;;-----;;
;;Added Sefick 20160713
;;clipboard debacle
(require 'simpleclip)
(simpleclip-mode 1)
;;-----;;

```

```

;;-----;;
;;cobalt theme!!!
;;Added Sefick 20160730
(load-theme 'cobalt t t)
(enable-theme 'cobalt)

;;-----;;
(custom-set-variables
  ;; custom-set-variables was added by Custom.
  ;; If you edit it by hand, you could mess it up, so be careful.
  ;; Your init file should contain only one such instance.
  ;; If there is more than one, they won't work right.
  '(inhibit-startup-screen t))
;;-----;;

;;-----;;
(add-to-list 'load-path "~/.emacs.d/elpa/")
(require 'multi-term)
(setq multi-term-program "/bin/bash")

;;custom key bindings
(define-key term-mode-map (kbd "C-j") 'term-char-mode)
(define-key term-raw-map (kbd "C-j") 'term-line-mode)
;;-----;;

;;-----;;
;;ESS R - assign <- to :
(setq ess-smart-S-assign-key ";")
;;-----;;

;;-----;;
;;org-mode
(require 'org)
(define-key global-map "\C-cl" 'org-store-link)
(define-key global-map "\C-ca" 'org-agenda)
(setq org-log-done t)
;;-----;;

```

```

;;work on this tonight
;;-----;;
;;pdf-tools
;;(pdf-tools-install)
;;-----;;

;;-----;;
;;Beamer
(eval-after-load "ox-latex"

  ;; update the list of LaTeX classes and associated header (encoding, etc.)
  ;; and structure
  '(add-to-list 'org-latex-classes
    ("beamer"
      ,(concat "\\documentclass[presentation]{beamer}\\n"
        "[DEFAULT-PACKAGES] "
        "[PACKAGES] "
        "[EXTRA]\\n")
      ("\\section{%s}" . "\\section*{%s}")
      ("\\subsection{%s}" . "\\subsection*{%s}")
      ("\\subsubsection{%s}" . "\\subsubsection*{%s}"))))

;;nice code blocks
(setq org-latex-listings t)

;;-----;;

```