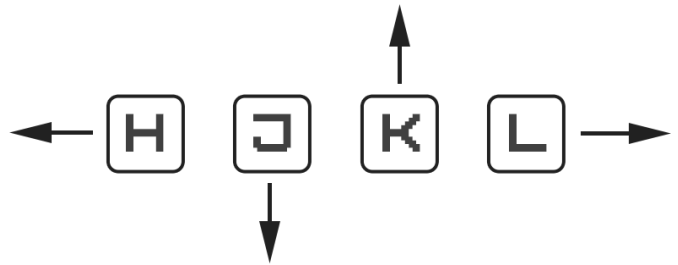## MOVEMENT

- **h** - move left
- **j** - move down
- **k** - move up
- **l** - move right
- **0** - (zero) start of line
- **^** - first non-blank character of line
- **$** - end of line
- **[number]g** - go to line [number]
- **gg** - move cursor to first line
- **G** - move cursor to last line
- **%** - move cursor match nearest [],(),{}

INSERTING/APPENDING TEXT

- **i** - start insert mode at cursor
- **I** - insert at the beginning of the line
- **a** - append after the cursor
- **A** - append at the end of the line
- **o** - open (append) blank line below current line (no need to press return)
- **O** - open blank line above current line

VISUAL MODE

- **v** - start visual mode, mark lines, then do command (such as y-yank)
- **V** - start Linewise visual mode
- **ctrl+v** - start visual block mode

EDITING

- **r[char]** - replace a single character
- **J** - join line below to the current
- **cc** - change (replace) an entire line
- **s** - delete character at cursor and subsitute text
- **Ctrl+r** - redo
- **u** - undo
- **.** - repeat last command
- **~** - reverse case of current (Upper/Lower)

CUT AND PASTE

- **yy** - yank (copy) a line
- **p** - put (paste) the clipboard after cursor
- **P** - put (paste) before cursor
- **dd** - delete (cut) a line
- **ctrl+r+"** - put (paste) in Insert mode
- **x** - delete (cut) current character

SCROLL

- **ctrl+y** - scroll the up 1 line
- **ctrl+e** - scroll the down 1 line
- **ctrl+u** - scroll the up half page
- **ctrl+d** - scroll the down half page

FILE

- **:w** - write (save) the file, but don't exit
- **:wq** - write (save) and quit
- **:q** - quit (fails if anything has changed)
- **:q!** - quit and throw away changes
- **/[word]** - find word in file (n/N for repeat)

PATTERN

- **ggVG**
- **vi/di/ci/ + w p < ({ ["**
- **va/da/ca/ + w p < ({ ["**
- **vf[char]**
- **f/F + [char](+ ;)**
- **f/F + " "**
- **viw +S + < ({ ["**
- **<mark> + S + < ({ ["**
- **ds + < ({ ["**