

## VI Commands

### General Startup

To use vi: vi filename  
To exit vi and save changes: ZZ or :wq  
To exit vi without saving changes: :q!  
To enter vi command mode: [esc]

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### Cursor Movement

h move left (backspace)  
j move down  
k move up  
l move right (spacebar)  
[return] move to the beginning of the next line  
\$ last column on the current line  
0 move cursor to the first column on the current line  
^ move cursor to first nonblank column on the current line  
w move to the beginning of the next word or punctuation mark  
W move past the next space  
b move to the beginning of the previous word or punctuation mark  
B move to the beginning of the previous word, ignores punctuation  
e end of next word or punctuation mark  
E end of next word, ignoring punctuation  
H move cursor to the top of the screen  
M move cursor to the middle of the screen  
L move cursor to the bottom of the screen

### Screen Movement

G move to the last line in the file  
xG move to line x  
z+ move current line to top of screen  
z move current line to the middle of screen  
z- move current line to the bottom of screen  
^F move forward one screen  
^B move backward one line  
^D move forward one half screen  
^U move backward one half screen  
^R redraw screen  
^L redraw screen

### Inserting

r replace character under cursor with next character typed  
R keep replacing character until [esc] is hit  
i insert before cursor  
a append after cursor  
A append at end of line  
O open line above cursor and enter append mode

### Deleting

x delete character under cursor  
dd delete line under cursor  
dw delete word under cursor  
db delete word before cursor

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## Other File Manipulation

### File Manipulation

vi [f] Vi fullscreen editor  
emacs [f] Emacs fullscreen editor  
ed [f] Text editor  
wc f Line, word, & char count  
cat f List contents of file  
more f List file contents by screen  
cat f1 f2 >f3 Concatenates f1 & f2 into f3  
chmod mode f Change protection mode of f  
cmp f1 f2 Compare two files  
cp f1 f2 Copy file f1 into f2  
sort f Alphabetically sort f  
split [-n] f Split f into n-line pieces  
mv f1 f2 Rename file f1 as f2  
rm f Delete (remove) file f  
grep 'ptn' f Outputs lines that match ptn  
diff f1 f2 Lists file differences  
head f Output beginning of f  
tail f Output end of f



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### Copying Code

yy (yank)'copies' line which may then be put by the p(put) command.  
Precede with a count for multiple lines.

### Put Command

brings back previous deletion or yank of lines, words, or characters  
P bring back before cursor  
p bring back after cursor

### Find Commands

? finds a word going backwards  
/ finds a word going forwards  
f finds a character on the line under the cursor going forward  
F finds a character on the line under the cursor going backwards  
t find a character on the current line going forward and stop one character before it  
T find a character on the current line going backward and stop one character before it  
; repeat last f, F, t, T

### Miscellaneous Commands

. repeat last command  
u undoes last command issued  
U undoes all commands on one line  
xp deletes first character and inserts after second (swap)  
J join current line with the next line  
^G display current line number  
% if at one parenthesis, will jump to its mate  
mx mark current line with character x  
'x find line marked with character x

### WRITE FILE

:w saves the current file without quitting

### MOVING

:# move to line #  
:\$ move to last line of file

### SHELL ESCAPE

executes 'cmd' as a shell command.  
:!'cmd'