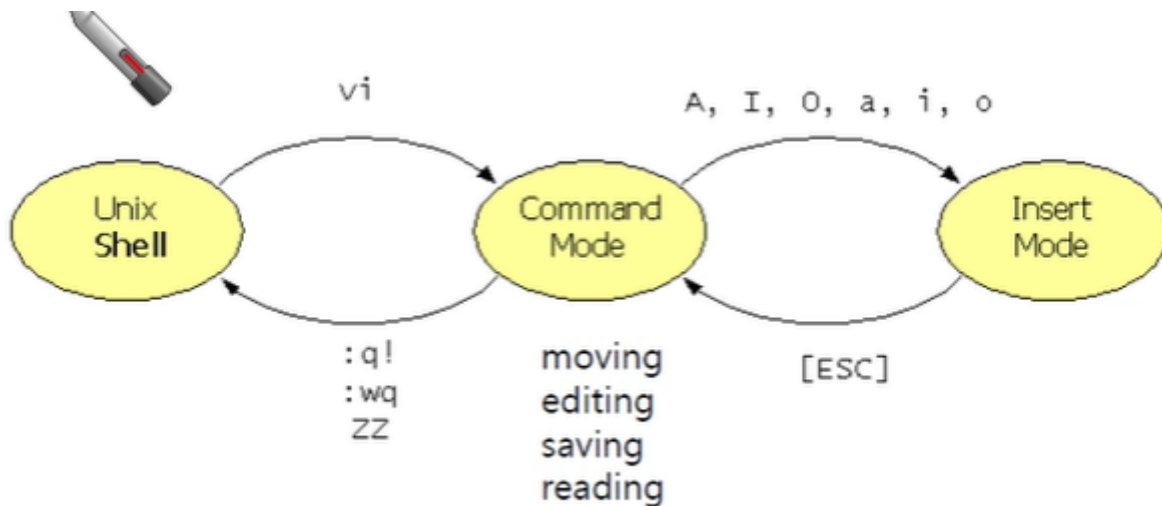


Chapter 7 - Vi Editor

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Vi Modes

```
$ vi # Opens Vi Editor
$ vi filename # Opens Vi Editor with file 'filename'
```



Moving within a file



- h,j,k,l (left, down, up, right)
- 0,^(left most), \$(right most)
- [Enter] Next line
- Ctrl + F : One Page Forward
- Ctrl + B : One Page Backwards
- Ctrl + U : Half Page Up
- Ctrl + D : Half Page Down
- :0, :1 - First Line
- 🙄 - Last Line

- :100 - 100th Line
- Ctrl + % ({<--->}) Move in between brackets
- :set nu - displays line numbers

Searching

- /string
search string(forwards)
- n
Go to next string
- N
Go to previous string
- ?string
Search backwards

Exit / save

- :q - quit
- :w - write to the file
- :wq - write and quit
- q! - exit without saving
- :wq! - overwrite and exit
- ZZ - save and exit
- :x - exit
- :w filename - write to file filename
- :r filename - read and insert file filename

Insert Mode

- i - insert
- a - append
- o - insert from next line
- [esc] - go to command mode

Delete

- x - Delete 1 Character
- 5x - Delete 5 Characters
- dd - Delete 1 line
- 3dd - Delete 3 lines
- D - delete remaining line of this line from the cursor
- J - join current line and next line
- i[enter][esc] - separate line

Change

- r - replace 1 character
 - ra - 1 character is changed to 'a'

- 3r - replace 3 characters
 - 3ra[esc] - 3 Characters are changed to 'aaa'
- cw - change 1 word
 - cwabc[esc] - word is changed to 'abc'
 - cwab cd 12[esc] - word is changed to 'ab cd 12'
- 3cw: change 3 words
 - 3cwabc[esc] - 3 words are changed to 'abc'
 - 3cwab cd 12[esc] - 3 words are changed to 'ab cd 12'

Undo / Redo

- u - Undo (Cancel Change)
 - uu - Cancel undo
- . - redo
 - /abc //search 'abc'
 - cwABCD[esc] //change to 'ABCD'
 - n. //search next and change to 'ABCD'

Copy and move

```
$ Copy a line
- yy -> [move] -> p

$ Copy several lines
- 3yy -> [move] -> p

$ Move a line
- dd -> [move] -> p

$ Move several lines
- 3dd -> [move] -> p
```

Running commands

- :%s/abc/ABCD/g
 - change all 'abc' to 'ABCD' in file
- :10,\$ s/abc/ABCD/g
 - change all 'abc' to 'ABCD' from line 10 to end of file
- :0,\$ s/[Ctrl + V][CTRL+M]//g
 - delete all ^M character in file
- :100,200 w! filename
 - save line 100 to 200 to file filename

Miscellaneous

- :set nu - show line number

- `:set nonu` - hide line number
- `:sh` - go to sh temporary
 - return to vi by `$exit`
- `!pwd` run a command in vi
 - press enter to edit continuously
- `Ctrl + I` - reset screen