Linux Concepts by Vikas Nagpal

Some Key concepts

1. Multi user
2. Directory structure
   a. hard links
   b. soft links
3. Concept of ownership of files
   a. permissions
   b. u-g-o
      i. user, group, other
   c. chmod, chown
   d. r-w-x :: 4:2:1
4. Concept of group
5. Access permissions of file
6. Access permissions of directory
7. PID, Parent-child processes
   ● ps
   ● top
   ● kill
8. Directories
   a. / . .. -
   b. absolute and relative path
9.
10. Environment variables
    a. PATH, HOME, PS1, etc
11. pipe
    a. process1 | process2
12. I/O Channels
    a. stdin, stdout, stderr
    b. File descriptors 0, 1, 2
    c. File redirection w.r.t effect on fd 0/1/2
13. Input/Output redirection
    a. >
    b. >>
    c. <
14. Special symbols
    a. ~ # Home directory
15. strings
    a. single quote vs double quote vs back quote. ' vs '' vs `

16. Commands
    a. find, grep, wc
    b. chmod , chown
17. Key to the treasure
    a. man
    b. whatis
    c. apropos
==

```
$#Go to parent of parent
$ cd ../..

$#Go to home directory
$ cd  $HOME


$ cd - # go back


# Remove entire directory recursively
$ rm -R dirname


|  ? # use of pipe
```