

Notes for Linux Concepts

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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

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\$#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