

### Essential Commands

pwd	Show current working dir
whoami	Show current username
ls	List files in dir
ip addr	Show current IP config
show	
free -m	Show how much memory you have
df -h	Show available disk space
cat /etc/hosts	Show contents of file
findmnt	Show mounted file system

### Linux File System Hierarchy

**Note** Highly standardised, defined in FHS, maintained by Linux Foundation, starting point is root dir, other devices may be intergrated in FHS using mounts

/	root dir, mounted on the name of device
/boot	Boot dir
/home	Home Dir
/var	Variables dir

### Basic Permissions

	Files	Directories
Read (R)	Read	List
Write (W)	Modify	Create/Delete
Execute (X)	Run	Cd

### Globbering

*	Any character
?	Only 1 character
[hm]	Either h or m
[!hm]	Neither h or m
[0=9][0-9]	Wildcard all 2 digit number

### Regular Expressions

**NOTE** Different than globbing (For file name), REGEX is for searching text pattern, best to use "", use with specific tools **GREP,VIM,SED,-AWK,**

grep 'b.t'	Find pattern with b in first position, anything in second and t in third position
grep 'b.*t'	Pattern with b in the first, may or may not have 1 or many character and t in last postion
grep 'bo*t'	Pattern with b in first, may or may not have 'o' and t in last postion
grep 'b.?t'	No result, ? is part of extended REGEX, need to be used with <b>EGREP</b>
\<	Beginning of word
\>	End of word
{n}	Exactly n times



By **nhatlong0605**

[cheatography.com/nhatlong0605/](https://cheatography.com/nhatlong0605/)

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