

# Bash Cheatsheet

## Directory Commands

**cd** ..... Change current working directory.  
**cd -** ..... Return to prev working directory.  
**..** ..... Represents parent of current directory.  
**.** ..... Represents current working directory.  
**pwd** Print name of current/working directory.  
**mkdir** ..... Make a new directory.  
**rmdir** ..... Remove empty directory.  
**rm** ..... Remove file or directory.

## File Commands

**ls** ..... List information about files.  
**ls -la** List detailed information about all files.  
**touch** ..... Change file timestamps.  
**mv** ..... Move a file OR rename a file.  
**cat** .... Concatenate files and print to stdout.  
**more** ..... View file one page at a time.  
**less** ... Enhanced version of **more** command.  
**which** ..... Find where program is located.  
**whereis** .... Like **which**, but broader results.  
**whatis** .. Get short description of a program.  
**xdg-open** ... Open file with default program.

## System Commands

**^D** ... End process (more graceful than **^C**).  
**^C** ..... Kill the current process.  
**top** ..... Display system processes.  
**[program] > [file]** Redirect program output to file (overwrites).  
**[program] » [file]** .... Append output to file.  
**[program1] | [program2]** Make output from program1 input to program2

## Navigation

**<tab>** ..... Auto-completes user input.  
**<up/down arrow>** ..... Cycle through command history.  
**^R** Reverse search through command history.  
**clear** ..... Clears terminal view (also **^l**)  
**apropos** ..... Search for commands whose description contains a certain term.  
**!!** ..... Run immediately previous command.  
**![str]** ... Run last command starting with str.  
**[cmd1] ; [cmd2]** .... Run cmd1, then cmd2.  
**man** ..... Access the system manual pages.

## Misc Commands

**echo** ..... Displays a line of text  
**history** ..... Lists all previous commands

## Legend

**^** ..... Abbreviation for Ctrl  
**<keyboard \_ button>** . Denotes button on keyboard  
**[user \_ input]** Denotes user input of a given kind  
**cwd** .. Stands for Current Working Directory

## Example .bashrc files

- <https://crunchbang.org/forums/viewtopic.php?id=1093>
- <http://tldp.org/LDP/abs/html/sample-bashrc.html>

## Other Links and Information

### *Bash Scripting:*

- <http://ryanstutorials.net/bash-scripting-tutorial/bash-script.php>
- <http://tldp.org/HOWTO/Bash-Prog-Intro-HOWTO.html>

### *Shells:*

- [https://en.wikipedia.org/wiki/Shell\\_\(computing\)](https://en.wikipedia.org/wiki/Shell_(computing))
- <https://www.ibm.com/developerworks/library/l-linux-shells/>

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