**ls commands list:**

**Usage: ls [OPTION]... [FILE]...**

**List information about the FILEs (the current directory by default).**

**Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.**

**Mandatory arguments to long options are mandatory for short options too.**

**-a, --all do not ignore entries starting with .**

**-A, --almost-all do not list implied . and ..**

**--author with -l, print the author of each file**

**-b, --escape print C-style escapes for nongraphic characters**

**--block-size=SIZE scale sizes by SIZE before printing them; e.g.,**

**'--block-size=M' prints sizes in units of**

**1,048,576 bytes; see SIZE format below**

**-B, --ignore-backups do not list implied entries ending with ~**

**-c with -lt: sort by, and show, ctime (time of last**

**modification of file status information);**

**with -l: show ctime and sort by name;**

**otherwise: sort by ctime, newest first**

**-C list entries by columns**

**--color[=WHEN] colorize the output; WHEN can be 'never', 'auto',**

**or 'always' (the default); more info below**

**-d, --directory list directories themselves, not their contents**

**-D, --dired generate output designed for Emacs' dired mode**

**-f do not sort, enable -aU, disable -ls --color**

**-F, --classify append indicator (one of \*/=>@|) to entries**

**--file-type likewise, except do not append '\*'**

**--format=WORD across -x, commas -m, horizontal -x, long -l,**

**single-column -1, verbose -l, vertical -C**

**--full-time like -l --time-style=full-iso**

**-g like -l, but do not list owner**

**--group-directories-first**

**group directories before files;**

**can be augmented with a --sort option, but any**

**use of --sort=none (-U) disables grouping**

**-G, --no-group in a long listing, don't print group names**

**-h, --human-readable with -l, print sizes in human readable format**

**(e.g., 1K 234M 2G)**

**--si likewise, but use powers of 1000 not 1024**

**-H, --dereference-command-line**

**follow symbolic links listed on the command line**

**--dereference-command-line-symlink-to-dir**

**follow each command line symbolic link**

**that points to a directory**

**--hide=PATTERN do not list implied entries matching shell PATTERN**

**(overridden by -a or -A)**

**--indicator-style=WORD append indicator with style WORD to entry names:**

**none (default), slash (-p),**

**file-type (--file-type), classify (-F)**

**-i, --inode print the index number of each file**

**-I, --ignore=PATTERN do not list implied entries matching shell PATTERN**

**-k, --kibibytes default to 1024-byte blocks for disk usage**

**-l use a long listing format**

**-L, --dereference when showing file information for a symbolic**

**link, show information for the file the link**

**references rather than for the link itself**

**-m fill width with a comma separated list of entries**

**-n, --numeric-uid-gid like -l, but list numeric user and group IDs**

**-N, --literal print raw entry names (don't treat e.g. control**

**characters specially)**

**-o like -l, but do not list group information**

**-p, --indicator-style=slash**

**append / indicator to directories**

**-q, --hide-control-chars print ? instead of nongraphic characters**

**--show-control-chars show nongraphic characters as-is (the default,**

**unless program is 'ls' and output is a terminal)**

**-Q, --quote-name enclose entry names in double quotes**

**--quoting-style=WORD use quoting style WORD for entry names:**

**literal, locale, shell, shell-always, c, escape**

**-r, --reverse reverse order while sorting**

**-R, --recursive list subdirectories recursively**

**-s, --size print the allocated size of each file, in blocks**

**-S sort by file size**

**--sort=WORD sort by WORD instead of name: none (-U), size (-S),**

**time (-t), version (-v), extension (-X)**

**--time=WORD with -l, show time as WORD instead of default**

**modification time: atime or access or use (-u)**

**ctime or status (-c); also use specified time**

**as sort key if --sort=time**

**--time-style=STYLE with -l, show times using style STYLE:**

**full-iso, long-iso, iso, locale, or +FORMAT;**

**FORMAT is interpreted like in 'date'; if FORMAT**

**is FORMAT1<newline>FORMAT2, then FORMAT1 applies**

**to non-recent files and FORMAT2 to recent files;**

**if STYLE is prefixed with 'posix-', STYLE**

**takes effect only outside the POSIX locale**

**-t sort by modification time, newest first**

**-T, --tabsize=COLS assume tab stops at each COLS instead of 8**

**-u with -lt: sort by, and show, access time;**

**with -l: show access time and sort by name;**

**otherwise: sort by access time**

**-U do not sort; list entries in directory order**

**-v natural sort of (version) numbers within text**

**-w, --width=COLS assume screen width instead of current value**

**-x list entries by lines instead of by columns**

**-X sort alphabetically by entry extension**

**-1 list one file per line**

**SELinux options:**

**--lcontext Display security context. Enable -l. Lines**

**will probably be too wide for most displays.**

**-Z, --context Display security context so it fits on most**

**displays. Displays only mode, user, group,**

**security context and file name.**

**--scontext Display only security context and file name.**

**--help display this help and exit**

**--version output version information and exit**

**SIZE is an integer and optional unit (example: 10M is 10\*1024\*1024). Units**

**are K, M, G, T, P, E, Z, Y (powers of 1024) or KB, MB, ... (powers of 1000).**

**Using color to distinguish file types is disabled both by default and**

**with --color=never. With --color=auto, ls emits color codes only when**

**standard output is connected to a terminal. The LS\_COLORS environment**

**variable can change the settings. Use the dircolors command to set it.**

**Exit status:**

**0 if OK,**

**1 if minor problems (e.g., cannot access subdirectory),**

**2 if serious trouble (e.g., cannot access command-line argument).**

**GNU coreutils online help: <http://www.gnu.org/software/coreutils/>**

**For complete documentation, run: info coreutils 'ls invocation'**

**Who commands:**

**-a, --all same as -b -d --login -p -r -t -T -u**

**-b, --boot time of last system boot**

**-d, --dead print dead processes**

**-H, --heading print line of column headings**

**-l, --login print system login processes**

**--lookup attempt to canonicalize hostnames via DNS**

**-m only hostname and user associated with stdin**

**-p, --process print active processes spawned by init**

**-q, --count all login names and number of users logged on**

**-r, --runlevel print current runlevel**

**-s, --short print only name, line, and time (default)**

**-t, --time print last system clock change**

**-T, -w, --mesg add user's message status as +, - or ?**

**-u, --users list users logged in**

**--message same as -T**

**--writable same as -T**

**--help display this help and exit**

**--version output version information and exit**

**If FILE is not specified, use /var/run/utmp. /var/log/wtmp as FILE is common.**

**If ARG1 ARG2 given, -m presumed: 'am i' or 'mom likes' are usual.**

**GNU coreutils online help: <http://www.gnu.org/software/coreutils/>**

**For complete documentation, run: info coreutils 'who invocation'**

**Uname commands:**

**Usage: uname [OPTION]...**

**Print certain system information. With no OPTION, same as -s.**

**-a, --all print all information, in the following order,**

**except omit -p and -i if unknown:**

**-s, --kernel-name print the kernel name**

**-n, --nodename print the network node hostname**

**-r, --kernel-release print the kernel release**

**-v, --kernel-version print the kernel version**

**-m, --machine print the machine hardware name**

**-p, --processor print the processor type or "unknown"**

**-i, --hardware-platform print the hardware platform or "unknown"**

**-o, --operating-system print the operating system**

**--help display this help and exit**

**--version output version information and exit**

**GNU coreutils online help: <http://www.gnu.org/software/coreutils/>**

**For complete documentation, run: info coreutils 'uname invocation'**

**[ec2-user@ip-172-31-40-77 /]$ run: info coreutils 'who invocation'**