Kenzh

March 28, 2020

[1]: ```
pwd
```

```
/home/jupyter-kkenzh
```

[2]: ```
ls
```

```
Aruzhan   lifeisgood   octave-workspace   shared   Untitled.ipynb
```

[3]: ```
ls -l
```

```
total 96
-rw-r--r-- 1 jupyter-kkenzh jupyter-kkenzh 81697 Mar 28 01:02 2.jpg
drwxr-xr-x 3 jupyter-kkenzh jupyter-kkenzh  4096 Mar 28 00:55 Aruzhan
drwxr-xr-x 4 jupyter-kkenzh jupyter-kkenzh  4096 Mar 21 13:57 lifeisgood
-rw-r--r-- 1 jupyter-kkenzh jupyter-kkenzh    54 Mar 19 19:19 octave-workspace
lrwxrwxrwx 1 jupyter-kkenzh jupyter-kkenzh    16 Mar 10 11:57 shared ->
/srv/data/shared
-rw-r--r-- 1 jupyter-kkenzh jupyter-kkenzh   959 Mar 28 01:03 Untitled.ipynb
```

[4]: ```
ls ~
```

```
2.jpg  Aruzhan   lifeisgood   octave-workspace   shared   Untitled.ipynb
```

[5]: ```
cd lifeisgood/
```

[7]: ```
ls
```

```
wo
```

[8]: ```
cd ..
```

[9]: ```
ls
```

```
2.jpg  Aruzhan   lifeisgood   octave-workspace   shared   Untitled.ipynb
```

[10]: ```
ls -a
```

```
.           .bash_history  .ipynb_checkpoints   .local        shared
..          .bash_logout   .ipython             .octave_hist  Untitled.ipynb
```

```
2.jpg    .bashrc      .jupyter          octave-workspace
Aruzhan  .cache       lifeisgood        .profile
```

[11]: `file 2.jpg`

```
2.jpg: JPEG image data, JFIF standard 1.01, resolution (DPI), density 72x72,
segment length 16, baseline, precision 8, 827x785, frames 3
```

[12]: `file 2.txt`

```
2.txt: JPEG image data, JFIF standard 1.01, resolution (DPI), density 72x72,
segment length 16, baseline, precision 8, 827x785, frames 3
```

[13]: `cd Aruzhan`

[14]: `ls`

```
2.txt  myresume.txt
```

[15]: `ls -a`

```
.  ..  2.txt  .ipynb_checkpoints  myresume.txt
```

[16]: `man ls`

```
LS(1)                          User Commands                          LS(1)

NAME
       ls - list directory contents

SYNOPSIS
       ls [OPTION]… [FILE]…

DESCRIPTION
       List  information  about  the FILEs (the current directory by default).
       Sort entries alphabetically if none of -cftuvSUX nor --sort  is  speci-
       fied.

       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 'always' (default if omitted),
       'auto', or 'never'; 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 and/or -s, print human readable sizes (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)

--hyperlink[=WHEN]
          hyperlink file names; WHEN can be 'always' (default if omitted),
          'auto', or 'never'

--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 informa-
          tion 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 entry names without quoting

-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, shell-escape, shell-escape-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, largest first

--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 (newest first)

--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 pre-
        fixed 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, newest
        first

-U      do not sort; list entries in directory order

-v      natural sort of (version) numbers within text

-w, --width=COLS
        set output width to COLS.  0 means no limit

-x      list entries by lines instead of by columns

-X      sort alphabetically by entry extension

-Z, --context
        print any security context of each file

-1      list one file per line.  Avoid '\n' with -q or -b

--help display this help and exit

--version
        output version information and exit

The SIZE argument is an integer and optional unit (example: 10K is
10*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).

AUTHOR
       Written by Richard M. Stallman and David MacKenzie.

REPORTING BUGS
       GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
       Report ls translation bugs to <http://translationproject.org/team/>

COPYRIGHT
       Copyright © 2017 Free Software Foundation, Inc.   License  GPLv3+:  GNU
       GPL version 3 or later <http://gnu.org/licenses/gpl.html>.
       This  is  free  software:  you  are free to change and redistribute it.
       There is NO WARRANTY, to the extent permitted by law.

SEE ALSO
       Full documentation at: <http://www.gnu.org/software/coreutils/ls>
       or available locally via: info '(coreutils) ls invocation'

GNU coreutils 8.28             January 2018                      LS(1)
```

[17]: `ls -A`

```
2.txt  .ipynb_checkpoints  myresume.txt
```

[18]: `ls -a`

```
.  ..  2.txt  .ipynb_checkpoints  myresume.txt
```

[19]: `ls -b`

```
2.txt  myresume.txt
```

[20]: `ls`

```
2.txt  myresume.txt
```

[21]: `file myresume.txt`

```
myresume.txt: ASCII text, with no line terminators
```

[22]: `ls -C`

```
2.txt  myresume.txt
```

[23]: `ls -R`

```
.:
2.txt  myresume.txt
```

[24]: `ls -r`

```
myresume.txt  2.txt
```

[25]: `ls -s`

```
total 84
80 2.txt    4 myresume.txt
```

[26]: `ls -S`

```
2.txt  myresume.txt
```

[27]: `ls -t`

```
2.txt  myresume.txt
```

[28]: `ls -U`

```
myresume.txt  2.txt
```

[29]: `ls -l`

```
total 84
-rw-r--r-- 1 jupyter-kkenzh jupyter-kkenzh 81697 Mar 28 01:02 2.txt
-rw-r--r-- 1 jupyter-kkenzh jupyter-kkenzh     3 Mar 28 00:52 myresume.txt
```

[30]: `ls -g`

```
total 84
-rw-r--r-- 1 jupyter-kkenzh 81697 Mar 28 01:02 2.txt
-rw-r--r-- 1 jupyter-kkenzh     3 Mar 28 00:52 myresume.txt
```

[31]: `ls -G`

```
2.txt  myresume.txt
```

[32]: `ls -h`

```
2.txt  myresume.txt
```

[33]: `ls -i`

```
 9438719  2.txt    9833760  myresume.txt  10098567 'Untitled Folder'
```

[34]: `ls -k`

```
         2.txt   myresume.txt  'Untitled Folder'
```

[35]: `ls -L`

```
         2.txt   myresume.txt  'Untitled Folder'
```

[36]: `ls -m`

```
2.txt, myresume.txt, 'Untitled Folder'
```

[37]: `ls -n`

```
total 88
-rw-r--r-- 1 1016 1017 81697 Mar 28 01:02  2.txt
-rw-r--r-- 1 1016 1017     3 Mar 28 00:52  myresume.txt
drwxr-xr-x 2 1016 1017  4096 Mar 28 01:28 'Untitled Folder'
```

[38]: `ls -N`

```
2.txt  myresume.txt  Untitled Folder
```

[39]: `ls -Q`

```
"2.txt"  "myresume.txt"  "Untitled Folder"
```

[40]: `ls -s`

```
total 88
80  2.txt   4  myresume.txt   4 'Untitled Folder'
```

[44]: `ls -u`

```
'Untitled Folder'   myresume.txt   2.txt
```

[45]: `ls -U`

```
 myresume.txt   2.txt  'Untitled Folder'
```

[46]: `ls -x`

```
         2.txt   myresume.txt  'Untitled Folder'
```

[ ]: `ls -1`