

List folders and files in a directory

Written By: Alexandros Mavridis

Contents

Listing Folders

[Non Hidden Folders](#)

Page 1

[Hidden Folders](#)

Page 3

[Non Hidden And Hidden Folders](#)

Page 4

Listing Files

[Non Hidden Files](#)

Page 5

[Hidden Files](#)

Page 7

[Non Hidden And Hidden Files](#)

Page 8

Listing Folders and Files

[Non Hidden Folders and Files](#)

Page 9

[Hidden Folders And Files](#)

Page 13

[Non Hidden And Hidden Folders And Files](#)

Page 20

[Sources](#)

Page 23

The command:

ls - list directory contents

Information Commands:

ls --version
ls --help
info ls
man ls

Options Used In This Document

-r, --reverse

reverse order while sorting

-l use a long listing format

-t sort by modification time, newest first

-i, --inode

print the index number of each file

-a, --all

do not ignore entries starting with .

-d, --directory

list directories themselves, not their contents

-p, --indicator-style=slash

append / indicator to directories

--group-directories-first

group directories before files

All the commands in the current document can be | to wc -l command for printing number of folders or files, instead of folders and files themselves. For example:

```
ls -d */ | wc -l
```

A. Listing Folders

Non hidden folders

Command	Output
ls -d */	Prints all non hidden folders in the current working directory in alphabetical order.
ls -dr */	Prints all non hidden folders in the current working directory in reverse alphabetical order.

ls -dl */	Prints in detail all non hidden folders in the current working directory in alphabetical order.
ls -l grep ^d	
ls -l awk '{if (\$1 ~ /d/) print \$0}'	
ls -dlr */	Prints in detail all non hidden folders in the current working directory in reverse alphabetical order.
ls -lr grep ^d	
ls -lr awk '{if (\$1 ~ /d/) print \$0}'	
ls -dt */	Prints all non hidden folders in the current working directory in chronological order, going from newest to oldest.
ls -dtr */	Prints all non hidden folders in the current working directory in reverse chronological order, going from oldest to newest.
ls -dlt */	Prints in detail all non hidden folders in the current working directory in chronological order, going from newest to oldest.
ls -lt grep ^d	
ls -lt awk '{if (\$1 ~ /d/) print \$0}'	
ls -dltr */	Prints in detail all non hidden folders in the current working directory in reverse chronological order, going from oldest to newest.
ls -ltr grep ^d	
ls -ltr awk '{if (\$1 ~ /d/) print \$0}'	
ls -di */	Prints all non hidden folders in the current working directory, including inode numbers, in alphabetical order.
ls -dri */	Prints all non hidden folders in the current working directory, including inode numbers, in reverse alphabetical order.
ls -dli */	Prints in detail all non hidden folders in the current working directory, including inode numbers, in alphabetical order.
ls -drli */	Prints in detail all non hidden folders in the current working directory, including inode numbers, in reverse alphabetical order.
ls -dti */	Prints all non hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -dtri */	Prints all non hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -dlti */	Prints in detail all non hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -dltri */	Prints in detail all non hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

Hidden folders

Command	Output
<code>ls -d */</code>	Prints all hidden folders in the current working directory in alphabetical order.
<code>ls -dr */</code>	Prints all hidden folders in the current working directory in reverse alphabetical order.
<code>ls -dl */</code>	Prints in detail all hidden folders in the current working directory in alphabetical order.
<code>ls -dlr */</code>	Prints in detail all hidden folders in the current working directory in reverse alphabetical order.
<code>ls -dt */</code>	Prints all hidden folders in the current working directory in chronological order, going from newest to oldest.
<code>ls -dtr */</code>	Prints all hidden folders in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -dlt */</code>	Prints in detail all hidden folders in the current working directory in chronological order, going from newest to oldest.
<code>ls -dltr */</code>	Prints in detail all hidden folders in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -di */</code>	Prints all hidden folders in the current working directory, including inode numbers, in alphabetical order.
<code>ls -dri */</code>	Prints all hidden folders in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dli */</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in alphabetical order.
<code>ls -drli */</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dti */</code>	Prints all hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dtri */</code>	Prints all hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

<code>ls -dlti */ */</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dltri */ */</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

Non hidden and hidden folders

Command	Output
<code>ls -d */ */</code>	Prints all non hidden and hidden folders in the current working directory in alphabetical order.
<code>ls -dr */ */</code>	Prints all non hidden and hidden folders in the current working directory in reverse alphabetical order.
<code>ls -dl */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory in alphabetical order.
<code>ls -dlr */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory in reverse alphabetical order.
<code>ls -dt */ */</code>	Prints all non hidden and hidden folders in the current working directory in chronological order, going from newest to oldest.
<code>ls -dtr */ */</code>	Prints all non hidden and hidden folders in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -dlt */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory in chronological order, going from newest to oldest.
<code>ls -dltr */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -di */ */</code>	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in alphabetical order.

<code>ls -dri */ */</code>	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dli */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in alphabetical order.
<code>ls -drli */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dti */ */</code>	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dtri */ */</code>	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
<code>ls -dlti */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dltri */ */</code>	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

B. Listing Files

Non hidden files

Command	Output
<code>ls -p grep -v /</code>	Prints all non hidden files in the current working directory in alphabetical order.
<code>ls -pr grep -v /</code>	Prints all non hidden files in the current working directory in reverse alphabetical order.
<code>ls -pl grep -v /</code>	Prints in detail all non hidden files in the current working directory in alphabetical order.
<code>ls -l grep -v ^d</code>	
<code>ls -l grep '^\\-'</code>	
<code>ls -plr grep -v /</code>	Prints in detail all non hidden files in the current working directory in reverse alphabetical order.
<code>ls -lr grep -v ^d</code>	
<code>ls -lr grep '^\\-'</code>	

ls -pt grep -v /	Prints all non hidden files in the current working directory in chronological order, going from newest to oldest.
ls -ptr grep -v /	Prints all non hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -plt grep -v /	Prints in detail all non hidden files in the current working directory in chronological order, going from newest to oldest.
ls -lt grep -v ^d	
ls -lt grep '^\\.'	
ls -pltr grep -v /	Prints in detail all non hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -ltr grep -v ^d	
ls -lt grep '^\\.'	
ls -pi grep -v /	Prints all non hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -pri grep -v /	Prints all non hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -pli grep -v /	Prints in detail all non hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -li grep -v ^d	
ls -plri grep -v /	Prints in detail all non hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -lri grep -v ^d	
ls -pti grep -v /	Prints all non hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -ptri grep -v /	Prints all non hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -plti grep -v /	Prints in detail all non hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -lti grep -v ^d	
ls -pltri grep -v /	Prints in detail all non hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -ltr grep -v ^d	

Hidden Files

Command	Output
ls -d .*	Prints all hidden files in the current working directory in alphabetical order.
ls -a grep '^.'	
ls -dr .*	Prints all hidden files in the current working directory in reverse alphabetical order.
ls -ar grep '^.'	
ls -ld .*	Prints in detail all hidden files in the current working directory in alphabetical order.
ls -ldr .*	Prints in detail all hidden files in the current working directory in reverse alphabetical order.
ls -dt .*	Prints all hidden files in the current working directory in chronological order, going from newest to oldest.
ls -at grep '^.'	
ls -dtr .*	Prints all hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -atr grep '^.'	
ls -dlt .*	Prints in detail all hidden files in the current working directory in chronological order, going from newest to oldest.
ls -dltr .*	Prints in detail all hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -di .*	Prints all hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -dir .*	Prints all hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -ldi .*	Prints in detail all hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -ldri .*	Prints in detail all hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -dti .*	Prints all hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -dtri .*	Prints all hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

<code>ls -dlti .?*</code>	Prints in detail all hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dltri .?*</code>	Prints in detail all hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

Non hidden and hidden files

Command	Output
<code>ls -pa grep -v /</code>	Prints all non hidden and hidden files in the current working directory in alphabetical order.
<code>ls -pra grep -v /</code>	Prints all non hidden and hidden files in the current working directory in reverse alphabetical order.
<code>ls -pla grep -v /</code>	Prints in detail all non hidden and hidden files in the current working directory in alphabetical order.
<code>ls -la grep -v ^d</code>	
<code>ls -la grep '^\\-'</code>	
<code>ls -prla grep -v /</code>	Prints in detail all non hidden and hidden files in the current working directory in reverse alphabetical order.
<code>ls -rlla grep -v ^d</code>	
<code>ls -lra grep '^\\-'</code>	
<code>ls -pta grep -v /</code>	Prints all non hidden and hidden files in the current working directory in chronological order, going from newest to oldest.
<code>ls -ptrla grep -v /</code>	Prints all non hidden and hidden files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -plta grep -v /</code>	Prints in detail all non hidden and hidden files in the current working directory in chronological order, going from newest to oldest.
<code>ls -lta grep -v ^d</code>	
<code>ls -lta grep '^\\-'</code>	
<code>ls -pltra grep -v /</code>	Prints in detail all non hidden and hidden files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -ltrla grep -v ^d</code>	
<code>ls -ltra grep '^\\-'</code>	
<code>ls -pai grep -v /</code>	Prints all non hidden and hidden files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -prai grep -v /</code>	Prints all non hidden and hidden files in the current working directory, including inode numbers, in reverse alphabetical order.

ls -plai grep -v /	Prints in detail all non hidden and hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -prlai grep -v /	Prints in detail all non hidden and hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -ptia grep -v /	Prints all non hidden and hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -ptrai grep -v /	Prints all non hidden and hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -pltai grep -v /	Prints in detail all non hidden and hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -pltrai grep -v /	Prints in detail all non hidden and hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

C. Listing Folders And Files

Non hidden folders and files

Command	Output
ls	Prints all non hidden folders and files in the current working directory in alphabetical order.
ls --group-directories-first	Prints all non hidden folders in the current working directory in alphabetical order, followed by all non hidden files in the current working directory in alphabetical order.
ls -r	Prints all non hidden folders and files in the current working directory in reverse alphabetical order.
ls -r --group-directories-first	Prints all non hidden folders in the current working directory in reverse alphabetical order, followed by all non hidden files in the current working directory in reverse alphabetical order.

ls -l	Prints in detail all non hidden folders and files in the current working directory in alphabetical order.
ls -l --group-directories-first	Prints in detail all non hidden folders in the current working directory in alphabetical order, followed by all non hidden files in the current working directory in alphabetical order.
ls -lr	Prints in detail all non hidden folders and files in the current working directory in reverse alphabetical order.
ls -lr --group-directories-first	Prints in detail all non hidden folders in the current working directory in reverse alphabetical order, followed by all non hidden files in the current working directory in reverse alphabetical order.
ls -t	Prints all non hidden folders and files in the current working directory in chronological order, going from newest to oldest.
ls -t --group-directories-first	Prints all non hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all non hidden files in the current working directory in chronological order, going from newest to oldest.
ls -tr	Prints all non hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest.
ls -tr --group-directories-first	Prints all non hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all non hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -lt	Prints in detail all non hidden folders and files in the current working directory in chronological order, going from newest to oldest.
ls -lt --group-directories-first	Prints in detail all non hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all non hidden files in the current working directory in chronological order, going from newest to oldest.

<code>ls -ltr</code>	Prints in detail all non hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -ltr --group-directories-first</code>	Prints in detail all non hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all non hidden files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -li</code>	Prints all non hidden folders and files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -li --group-directories-first</code>	Prints all non hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all non hidden files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -lri</code>	Prints all non hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -lri --group-directories-first</code>	Prints all non hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all non hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -l</code>	Prints in detail all non hidden folders and files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -li --group-directories-first</code>	Prints in detail all non hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all non hidden files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -lri</code>	Prints in detail all non hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -lri --group-directories-first</code>	Prints in detail all non hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all non hidden files in the current working directory, including inode numbers, in reverse alphabetical order.

ls -ti	Prints all non hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -ti --group-directories-first	Prints all non hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all non hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -tri	Prints all non hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -tri --group-directories-first	Prints all non hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all non hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -lti	Prints in detail all non hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -lti --group-directories-first	Prints in detail all non hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all non hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -ltr	Prints in detail all non hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
ls -ltr --group-directories-first	Prints in detail all non hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all non hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

Hidden folders and files

Command	Output
ls -d .*	Prints all hidden folders and files in the current working directory in alphabetical order.
ls -d .[^.]*	Prints all hidden folders and files in the current working directory in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
ls -d .* --group-directories-first	Prints all hidden folders in the current working directory in alphabetical order, followed by all hidden files in the current working directory in alphabetical order.
ls -d .[^.]* --group-directories-first	Prints all hidden folders in the current working directory in alphabetical order, followed by all hidden files in the current working directory in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
ls -dr .*	Prints all hidden folders and files in the current working directory in reverse alphabetical order.
ls -dr .[^.]*	Prints all hidden folders and files in the current working directory in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
ls -dr .* --group-directories-first	Prints all hidden folders in the current working directory in reverse alphabetical order, followed by all hidden files in the current working directory in reverse alphabetical order.
ls -dr .[^.]* --group-directories-first	Prints all hidden folders in the current working directory in reverse alphabetical order, followed by all hidden files in the current working directory in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
ls -dl .*	Prints in detail all hidden folders and files in the current working directory in alphabetical order.
ls -dl .[^.]*	Prints in detail all hidden folders and files in the current working directory in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
ls -dl .* --group-directories-first	Prints in detail all hidden folders in the current working directory in alphabetical order, followed by all hidden files in the current working directory in alphabetical order.

<code>ls -dl .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in alphabetical order, followed by all hidden files in the current working directory in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dlr .*</code>	Prints in detail all hidden folders and files in the current working directory in reverse alphabetical order.
<code>ls -dlr .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dlr .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in reverse alphabetical order, followed by all hidden files in the current working directory in reverse alphabetical order.
<code>ls -dlr .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in reverse alphabetical order, followed by all hidden files in the current working directory in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dt .*</code>	Prints all hidden folders and files in the current working directory in chronological order, going from newest to oldest.
<code>ls -dt .[^.]*</code>	Prints all hidden folders and files in the current working directory in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dt .* --group-directories-first</code>	Prints all hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all hidden files in the current working directory in chronological order, going from newest to oldest.
<code>ls -dt .[^.]* --group-directories-first</code>	Prints all hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all hidden files in the current working directory in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtr .*</code>	Prints all hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest.

<code>ls -dtr .[^.]*</code>	Prints all hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtr .* --group-directories-first</code>	Prints all hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -dtr .[^.]* --group-directories-first</code>	Prints all hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtl .*</code>	Prints in detail all hidden folders and files in the current working directory in chronological order, going from newest to oldest.
<code>ls -dtl .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtl .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all hidden files in the current working directory in chronological order, going from newest to oldest.
<code>ls -dtl .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all hidden files in the current working directory in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtrl .*</code>	Prints in detail all hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -dtrl .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.

<code>ls -dtrl .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory in reverse chronological order, going from oldest to newest.
<code>ls -dtrl .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -di .*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -di .[^.]*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -di .* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -di .[^.]* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dri .*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dri .[^.]*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dri .* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in reverse alphabetical order.

<code>ls -dri .[^.]* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dli .*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -dli .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dli .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in alphabetical order.
<code>ls -dli .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dlri .*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dlri .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dlri .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
<code>ls -dlri .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all hidden files in the current working directory, including inode numbers, in reverse alphabetical order. Returns an error if at least one hidden folder or at least one hidden file does not exist.

<code>ls -dti .*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dti .[^.]*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dti .* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dti .[^.]* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtri .*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
<code>ls -dtri .[^.]*</code>	Prints all hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtri .* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
<code>ls -dtri .[^.]* --group-directories-first</code>	Prints all hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.

<code>ls -dtli .*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dtli .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtli .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -dtli .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtrli .*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
<code>ls -dtrli .[^.]*</code>	Prints in detail all hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
<code>ls -dtrli .* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

<code>ls -dtrli .[^.]* --group-directories-first</code>	Prints in detail all hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest. Returns an error if at least one hidden folder or at least one hidden file does not exist.
---	---

Non hidden and hidden folders and files

Command	Output
<code>ls -a</code>	Prints all non hidden and hidden folders and files in the current working directory in alphabetical order.
<code>ls -a --group-directories-first</code>	Prints all non hidden and hidden folders in the current working directory in alphabetical order, followed by all non hidden and hidden files in the current working directory in alphabetical order.
<code>ls -ar</code>	Prints all non hidden and hidden folders and files in the current working directory in reverse alphabetical order.
<code>ls -ar --group-directories-first</code>	Prints all non hidden and hidden folders in the current working directory in reverse alphabetical order, followed by all non hidden and hidden files in the current working directory in reverse alphabetical order.
<code>ls -la</code>	Prints in detail all non hidden and hidden folders and files in the current working directory in alphabetical order.
<code>ls -la --group-directories-first</code>	Prints in detail all non hidden and hidden folders in the current working directory in alphabetical order, followed by all non hidden and hidden files in the current working directory in alphabetical order.
<code>ls -lra</code>	Prints in detail all non hidden and hidden folders and files in the current working directory in reverse alphabetical order.
<code>ls -lra --group-directories-first</code>	Prints in detail all non hidden and hidden folders in the current working directory in reverse alphabetical order, followed by all non hidden and hidden files in the current working directory in reverse alphabetical order.

ls -ta	Prints all non hidden and hidden folders and files in the current working directory in chronological order, going from newest to oldest.
ls -ta --group-directories-first	Prints all non hidden and hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all non hidden and hidden files in the current working directory in chronological order, going from newest to oldest.
ls -tra	Prints all non hidden and hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest.
ls -tra --group-directories-first	Prints all non hidden and hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all non hidden and hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -tla	Prints in detail all non hidden and hidden folders and files in the current working directory in chronological order, going from newest to oldest.
ls -tla --group-directories-first	Prints in detail all non hidden and hidden folders in the current working directory in chronological order, going from newest to oldest, followed by all non hidden and hidden files in the current working directory in chronological order, going from newest to oldest.
ls -trla	Prints in detail all non hidden and hidden folders and files in the current working directory in reverse chronological order, going from oldest to newest.
ls -trla --group-directories-first	Prints in detail all non hidden and hidden folders in the current working directory in reverse chronological order, going from oldest to newest, followed by all non hidden and hidden files in the current working directory in reverse chronological order, going from oldest to newest.
ls -ia	Prints all non hidden and hidden folders and files in the current working directory, including inode numbers, in alphabetical order.

ls -ia --group-directories-first	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all non hidden and hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -iar	Prints all non hidden and hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -iar --group-directories-first	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all non hidden and hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -ial	Prints in detail all non hidden and hidden folders and files in the current working directory, including inode numbers, in alphabetical order.
ls -ial --group-directories-first	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in alphabetical order, followed by all non hidden and hidden files in the current working directory, including inode numbers, in alphabetical order.
ls -lrai	Prints in detail all non hidden and hidden folders and files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -lrai --group-directories-first	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in reverse alphabetical order, followed by all non hidden and hidden files in the current working directory, including inode numbers, in reverse alphabetical order.
ls -tia	Prints all non hidden and hidden folders and files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -tia --group-directories-first	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all non hidden and hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
ls -tiar	Prints all non hidden and hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

<code>ls -tla --group-directories-first</code>	Prints all non hidden and hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all non hidden and hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
<code>ls -tla</code>	Prints in detail all non hidden and hidden folders and files in the current working directory in chronological order, going from newest to oldest.
<code>ls -tla --group-directories-first</code>	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in chronological order, going from newest to oldest, followed by all non hidden and hidden files in the current working directory, including inode numbers, in chronological order, going from newest to oldest.
<code>ls -tlar</code>	Prints in detail all non hidden and hidden folders and files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.
<code>ls -tlar --group-directories-first</code>	Prints in detail all non hidden and hidden folders in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest, followed by all non hidden and hidden files in the current working directory, including inode numbers, in reverse chronological order, going from oldest to newest.

Sources:

<https://stackoverflow.com/questions/14352290/listing-only-directories-using-ls-in-bash-an-examination>

<https://serverfault.com/questions/368370/how-do-i-exclude-directories-when-listing-files>

<https://www.cyberciti.biz/faq/bash-shell-display-only-hidden-dot-files/>

<https://askubuntu.com/questions/468901/how-to-show-only-hidden-files-in-terminal>

Imran Afzal for the command: `ls -a | grep '^\.'`

[LEFT CLICK TO RESTART FROM THE TOP](#)