

# Linux Basic Commands:

## Examples:

```
root@Mahipal:~# pwd
```

```
/root
```

```
root@Mahipal:~# uname -a
```

```
Linux Mahipal 4.4.0-19041-Microsoft #1151-Microsoft Thu Jul 22 21:05:00 PST 2021 x86_64 x86_64  
x86_64 GNU/Linux
```

```
root@Mahipal:~# bash
```

```
root@Mahipal:~#
```

```
root@Mahipal:~#
```

```
root@Mahipal:~# pwd
```

```
/root
```

```
root@Mahipal:~# ls
```

```
"$'\032' SWs backup.sh basic_passwords.txt kill_slow_log.sh kill_slow_log_2.sh nohup.out  
pass.txt test.sql vulnerabilities.csv y
```

```
root@Mahipal:~#
```

```
root@Mahipal:~# ls -lrth
```

```
total 1.9M
```

```
-rw-r--r-- 1 root root 2.7K Aug 2 2021 y
```

```
-rw----- 1 root root 62 Aug 2 2021 nohup.out
```

```
-rw-r--r-- 1 root root 3.9K Aug 5 2021 basic_passwords.txt
```

```
-rw-r--r-- 1 root root 1.9M Aug 5 2021 vulnerabilities.csv
```

```
drwxr-xr-x 1 root root 4.0K Sep 20 2021 SWs
```

```
-rw-r--r-- 1 root root 975 Sep 20 2021 "$'\032'
```

```
-rwxrwxr-x 1 root root 76 Sep 20 2021 pass.txt
```

```
-rw-r--r-- 1 root root 682 Sep 20 2021 backup.sh
```

```
-rw-r--r-- 1 root root 1.3K Sep 20 2021 test.sql
```

```

-rw-r--r-- 1 root root 574 Oct 22 2021 kill_slow_log.sh
-rw-r--r-- 1 root root 620 Oct 22 2021 kill_slow_log_2.sh
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~# ls -l
total 1936
-rw-r--r-- 1 root root 975 Sep 20 2021 '$'\032'
drwxr-xr-x 1 root root 4096 Sep 20 2021 SWs
-rw-r--r-- 1 root root 682 Sep 20 2021 backup.sh
-rw-r--r-- 1 root root 3988 Aug 5 2021 basic_passwords.txt
-rw-r--r-- 1 root root 574 Oct 22 2021 kill_slow_log.sh
-rw-r--r-- 1 root root 620 Oct 22 2021 kill_slow_log_2.sh
-rw----- 1 root root 62 Aug 2 2021 nohup.out
-rwxrwxr-x 1 root root 76 Sep 20 2021 pass.txt
-rw-r--r-- 1 root root 1259 Sep 20 2021 test.sql
-rw-r--r-- 1 root root 1952896 Aug 5 2021 vulnerabilities.csv
-rw-r--r-- 1 root root 2760 Aug 2 2021 y
root@Mahipal:~# ls -lr
total 1936
-rw-r--r-- 1 root root 2760 Aug 2 2021 y
-rw-r--r-- 1 root root 1952896 Aug 5 2021 vulnerabilities.csv
-rw-r--r-- 1 root root 1259 Sep 20 2021 test.sql
-rwxrwxr-x 1 root root 76 Sep 20 2021 pass.txt
-rw----- 1 root root 62 Aug 2 2021 nohup.out
-rw-r--r-- 1 root root 620 Oct 22 2021 kill_slow_log_2.sh
-rw-r--r-- 1 root root 574 Oct 22 2021 kill_slow_log.sh
-rw-r--r-- 1 root root 3988 Aug 5 2021 basic_passwords.txt

```

```
-rw-r--r-- 1 root root 682 Sep 20 2021 backup.sh
```

```
drwxr-xr-x 1 root root 4096 Sep 20 2021 SWs
```

```
-rw-r--r-- 1 root root 975 Sep 20 2021 "$\032'
```

```
root@Mahipal:~# pwd
```

```
/root
```

```
root@Mahipal:~# man ls
```

```
[1]+ Stopped man ls
```

```
root@Mahipal:~#
```

```
root@Mahipal:~#
```

```
root@Mahipal:~#
```

```
root@Mahipal:~# ls
```

```
"$\032' SWs backup.sh basic_passwords.txt kill_slow_log.sh kill_slow_log_2.sh nohup.out  
pass.txt test.sql vulnerabilities.csv y
```

```
root@Mahipal:~# ls -lrth
```

```
total 1.9M
```

```
-rw-r--r-- 1 root root 2.7K Aug 2 2021 y
```

```
-rw----- 1 root root 62 Aug 2 2021 nohup.out
```

```
-rw-r--r-- 1 root root 3.9K Aug 5 2021 basic_passwords.txt
```

```
-rw-r--r-- 1 root root 1.9M Aug 5 2021 vulnerabilities.csv
```

```
drwxr-xr-x 1 root root 4.0K Sep 20 2021 SWs
```

```
-rw-r--r-- 1 root root 975 Sep 20 2021 "$\032'
```

```
-rwxrwxr-x 1 root root 76 Sep 20 2021 pass.txt
```

```
-rw-r--r-- 1 root root 682 Sep 20 2021 backup.sh
```

```
-rw-r--r-- 1 root root 1.3K Sep 20 2021 test.sql
```

```
-rw-r--r-- 1 root root 574 Oct 22 2021 kill_slow_log.sh
```

```
-rw-r--r-- 1 root root 620 Oct 22 2021 kill_slow_log_2.sh
```

```
root@Mahipal:~# pwd
```

/root

root@Mahipal:~# ls -lrth ^C

root@Mahipal:~# ls -lrth nohup.out

-rw----- 1 root root 62 Aug 2 2021 nohup.out

root@Mahipal:~#

root@Mahipal:~#

root@Mahipal:~#

root@Mahipal:~# man ls

[2]+ Stopped man ls

root@Mahipal:~#

root@Mahipal:~#

root@Mahipal:~# man ls

[3]+ Stopped man ls

root@Mahipal:~#

root@Mahipal:~#

root@Mahipal:~#

root@Mahipal:~# ls -lrtah

total 2.0M

-rw-r--r-- 1 root root 161 Dec 5 2019 .profile

-rw-r--r-- 1 root root 3.1K Dec 5 2019 .bashrc

drwxr-xr-x 1 root root 4.0K Jul 30 2021 ..

-rw-r--r-- 1 root root 2.7K Aug 2 2021 y

-rw----- 1 root root 62 Aug 2 2021 nohup.out

drwxr-xr-x 1 root root 4.0K Aug 5 2021 .local

drwxr-xr-x 1 root root 4.0K Aug 5 2021 .rpmdb

```

-rw-r--r-- 1 root root 3.9K Aug  5 2021 basic_passwords.txt
-rw-r--r-- 1 root root 1.9M Aug  5 2021 vulnerabilities.csv
-rw-r--r-- 1 root root 264 Sep 20 2021 .wget-hsts
drwxr-xr-x 1 root root 4.0K Sep 20 2021 SWs
-rw-r--r-- 1 root root 12K Sep 20 2021 .backup.sh.swp
-rw-r--r-- 1 root root 975 Sep 20 2021 '$'\032'
-rwxrwxr-x 1 root root  76 Sep 20 2021 pass.txt
-rw-r--r-- 1 root root 682 Sep 20 2021 backup.sh
-rw-r--r-- 1 root root 1.3K Sep 20 2021 test.sql
-rw----- 1 root root 308 Oct 22 2021 .mysql_history
-rw-r--r-- 1 root root 574 Oct 22 2021 kill_slow_log.sh
-rw-r--r-- 1 root root 620 Oct 22 2021 kill_slow_log_2.sh
-rw----- 1 root root 11K Oct 22 2021 .viminfo
-rw-r--r-- 1 root root 12K Oct 22 2021 .kill_slow_log_2.sh.swp
-rw-r--r-- 1 root root  0 Jul 20 14:48 .motd_shown
drwx----- 1 root root 4.0K Jul 20 14:49 .ssh
drwx----- 1 root root 4.0K Jul 20 14:49 .
-rw----- 1 root root 17K Jul 20 15:21 .bash_history
root@Mahipal:~# ls -lrth
total 1.9M
-rw-r--r-- 1 root root 2.7K Aug  2 2021 y
-rw----- 1 root root  62 Aug  2 2021 nohup.out
-rw-r--r-- 1 root root 3.9K Aug  5 2021 basic_passwords.txt
-rw-r--r-- 1 root root 1.9M Aug  5 2021 vulnerabilities.csv
drwxr-xr-x 1 root root 4.0K Sep 20 2021 SWs
-rw-r--r-- 1 root root 975 Sep 20 2021 '$'\032'
-rwxrwxr-x 1 root root  76 Sep 20 2021 pass.txt

```

```
-rw-r--r-- 1 root root 682 Sep 20 2021 backup.sh
-rw-r--r-- 1 root root 1.3K Sep 20 2021 test.sql
-rw-r--r-- 1 root root 574 Oct 22 2021 kill_slow_log.sh
-rw-r--r-- 1 root root 620 Oct 22 2021 kill_slow_log_2.sh
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~# ls
"$\032" SWs backup.sh basic_passwords.txt kill_slow_log.sh kill_slow_log_2.sh nohup.out
pass.txt test.sql vulnerabilities.csv y
root@Mahipal:~# pwd
/root
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~# mkdir training
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~# pwd
/root
root@Mahipal:~# ls
"$\032" backup.sh kill_slow_log.sh nohup.out test.sql vulnerabilities.csv
SWs basic_passwords.txt kill_slow_log_2.sh pass.txt training y
root@Mahipal:~# ls
"$\032" backup.sh kill_slow_log.sh nohup.out test.sql vulnerabilities.csv
SWs basic_passwords.txt kill_slow_log_2.sh pass.txt training y
root@Mahipal:~#
```

```
root@Mahipal:~#  
root@Mahipal:~#  
root@Mahipal:~# cd training/  
root@Mahipal:~/training# pwd  
/root/training  
root@Mahipal:~/training# ls -lrth  
total 0  
root@Mahipal:~/training#  
root@Mahipal:~/training# pwd  
/root/training  
root@Mahipal:~/training# cd ..  
root@Mahipal:~# pwd  
/root  
root@Mahipal:~# mkdir -p training/test  
root@Mahipal:~#  
root@Mahipal:~#  
root@Mahipal:~# pwd  
/root  
root@Mahipal:~# cd training  
root@Mahipal:~/training# ls  
test  
root@Mahipal:~/training# mkdir test2  
root@Mahipal:~/training# ls  
test test2  
root@Mahipal:~/training# mkdir temp  
root@Mahipal:~/training#  
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
temp test test2
root@Mahipal:~/training#
root@Mahipal:~/training# cd te
temp/ test/ test2/
root@Mahipal:~/training# cd te
temp/ test/ test2/
root@Mahipal:~/training# cd temp/
root@Mahipal:~/training/temp# pwd
/root/training/temp
root@Mahipal:~/training/temp#
root@Mahipal:~/training/temp#
root@Mahipal:~/training/temp# cd ~
root@Mahipal:~# pwd
/root
root@Mahipal:~# ls
"$\032' backup.sh      kill_slow_log.sh  nohup.out  test.sql  vulnerabilities.csv
SWs    basic_passwords.txt  kill_slow_log_2.sh  pass.txt  training  y
root@Mahipal:~# cd training/
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training# ls
temp test test2
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
```



```
root@Mahipal:~/training# cd test
root@Mahipal:~/training/test# ls
root@Mahipal:~/training/test#
root@Mahipal:~/training/test#
root@Mahipal:~/training/test# pwd
/root/training/test
root@Mahipal:~/training/test# cd ../../
root@Mahipal:~# pwd
/root
root@Mahipal:~# pwd
/root
root@Mahipal:~# ls
"$'\032' backup.sh      kill_slow_log.sh  nohup.out  test.sql  vulnerabilities.csv
SWs    basic_passwords.txt kill_slow_log_2.sh pass.txt  training y
root@Mahipal:~#
root@Mahipal:~#
root@Mahipal:~# cd training/test/
root@Mahipal:~/training/test# pwd
/root/training/test
root@Mahipal:~/training/test#
root@Mahipal:~/training/test#
root@Mahipal:~/training/test# pwd
/root/training/test
root@Mahipal:~/training/test#
root@Mahipal:~/training/test#
root@Mahipal:~/training/test# cd -
/root
```

```
root@Mahipal:~# pwd
```

```
/root
```

```
root@Mahipal:~# ls
```

```
"$\032' backup.sh      kill_slow_log.sh  nohup.out  test.sql  vulnerabilities.csv
```

```
SWs    basic_passwords.txt  kill_slow_log_2.sh  pass.txt  training  y
```

```
root@Mahipal:~#
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root@Mahipal:~#
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root@Mahipal:~#
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root@Mahipal:~#
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root@Mahipal:~#
```

```
root@Mahipal:~#
```

```
root@Mahipal:~# ls
```

```
"$\032' backup.sh      kill_slow_log.sh  nohup.out  test.sql  vulnerabilities.csv
```

```
SWs    basic_passwords.txt  kill_slow_log_2.sh  pass.txt  training  y
```

```
root@Mahipal:~# cd training/
root@Mahipal:~/training# ls
temp test test2
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training# rmdir temp
root@Mahipal:~/training# ls
test test2
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training# man cd
No manual entry for cd
root@Mahipal:~/training# man mkdir
```

[4]+ Stopped man mkdir

```
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training#
root@Mahipal:~/training# ls
test test2
root@Mahipal:~/training# man rmdir
[5]+ Stopped man rmdir
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training# ls  
test test2  
root@Mahipal:~/training#  
root@Mahipal:~/training# ls  
test test2  
root@Mahipal:~/training# pwd  
/root/training  
root@Mahipal:~/training# pwd  
/root/training  
root@Mahipal:~/training# pwd  
/root/training  
root@Mahipal:~/training# ls  
test test2  
root@Mahipal:~/training#  
root@Mahipal:~/training# vi myfirstfile.txt  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training#  
root@Mahipal:~/training# ld
```

Command 'ld' not found, but can be installed with:

```
apt install binutils
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
```

```
myfirstfile.txt test test2
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# cat ^C
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
```

```
myfirstfile.txt test test2
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
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root@Mahipal:~/training#
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root@Mahipal:~/training#
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```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
```

```
myfirstfile.txt test test2
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# cat ^V
```

```
cat: "$'\026': No such file or directory
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
```

```
myfirstfile.txt test test2
```

```
root@Mahipal:~/training# cat myfirstfile.txt
```

```
dgkjdfklgjkdfjgfd
```

```
gfdgjdfkhgklfdg
```

```
dfkjghdkfjsgdfg
```

dfgdfkfgjdlkfjldkfgjdlkf

fgldfjgldfkjgkldfjgdf

dfslgkjdfslkjgdklfsjgdfg

dfgljdfkkgldfjgkldfjlkgdfk;lg

root@Mahipal:~/training# ls

myfirstfile.txt test test2

root@Mahipal:~/training#

root@Mahipal:~/training# cat myfirstfile.txt

dgkjdfklgjkdfjgfd

gfdgjdfkhgkldfg

dfkjghdkfjsgdfg





dfgdfllkgjdlkfjldkgjdlkf

fgldfjglfdkfgkldfjgdf

dfslgkjdfslkjgdklfsjgdfg

dfgljdfllkgkldfjgkldfjlkgdfk;lg

root@Mahipal:~/training#

root@Mahipal:~/training#

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# cat myfirstfile.txt | head -10
```

```
dgkjdfklgjkdfjgfd
```

```
gfdgjdfkhgkldfg
```

```
dfkjghdkfjsgdfg
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# vi display.txt
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# cat display.txt
```

```
tlierjtler\
```

```
retljkerlkjg\
```

```
erter
```

```
gfdgdfg
```

```
dfgdfgdfg
```

```
dfgdfg
```

```
sadf
```

saf

sd

fsd

g

sdg

dsg

df

gds

fsa

f

sdf

sd

gsd

g

dsfg

df

gwea

efer

e

rg

er

gdsr

g

df

gdfs

g

dsg

df

g

dfgdf

hd

hhd

fh

dh

```
root@Mahipal:~/training# cat display.txt | head -10
```

tlierjtler\

retljkerlkjg\

erter

gfdgdfg

dfgdfgdfg

dfgdfg

sadf

saf

sd

fsd

```
root@Mahipal:~/training# cat display.txt | tail -10
```

g

dsg

df

g

dfgdf

hd

hhd

fh

dh

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training# ls

display.txt myfirstfile.txt test test2

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training# ls -lrth

4total 0

drwxr-xr-x 1 root root 4.0K Jul 20 20:34 test

drwxr-xr-x 1 root root 4.0K Jul 20 20:35 test2

-rw-r--r-- 1 root root 207 Jul 20 21:20 myfirstfile.txt

-rw-r--r-- 1 root root 181 Jul 20 21:31 display.txt

root@Mahipal:~/training# less myfirstfile.txt

[6]+ Stopped less myfirstfile.txt

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training# ls

display.txt myfirstfile.txt test test2

root@Mahipal:~/training#

```
root@Mahipal:~/training# less display.txt
```

```
[7]+ Stopped          less display.txt
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# more display.txt
```

```
tlierjtler\
```

```
retljkerlkjg\
```

```
erter
```

```
gfdgdfg
```

```
dfgdfgdfg
```

```
dfgdfg
```

```
sadf
```

```
saf
```

```
sd
```

```
fsd
```

```
g
```

```
sdg
```

```
dsg
```

```
df
```

```
gds
```

```
fsa
```

```
f
```

```
sdf
```

```
sd
```

```
gsd
```

g

dsfg

df

gwea

efer

e

rg

er

gdsr

g

df

gdfs

g

dsg

df

g

dfgdf

hd

hhd

fh

dh

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#

root@Mahipal:~/training#



```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
```

```
display.txt myfirstfile.txt test test2
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# vi log.txt
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# ls
```

```
display.txt log.txt myfirstfile.txt test test2
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training#
```

```
root@Mahipal:~/training# tail -f ^C
```

```
root@Mahipal:~/training# tail -f log.txt
```