

```
natagb@natagb-disk:~/Desktop$ mkdir lesson2
natagb@natagb-disk:~/Desktop$ cd lesson
bash: cd: lesson/: No such file or directory
natagb@natagb-disk:~/Desktop$ cd lesson2/
natagb@natagb-disk:~/Desktop/lesson2$ touch file1
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
total 8
drwxrwxr-x 2 natagb natagb 4096 kac  1 10:50 .
drwxr-xr-x 3 natagb natagb 4096 kac  1 10:48 ..
-rw-rw-r-- 1 natagb natagb   0 kac  1 10:50 file1
natagb@natagb-disk:~/Desktop/lesson2$ cat >file2
HiHiHiHiHiHi!!!natagb@natagb-disk:~/Desktop/lesson2$ cat file 2
cat: file: No such file or directory
cat: 2: No such file or directory
natagb@natagb-disk:~/Desktop/lesson2$ pwd
/home/natagb/Desktop/lesson2
natagb@natagb-disk:~/Desktop/lesson2$ ls
file1 file2
natagb@natagb-disk:~/Desktop/lesson2$ ls/
bash: ls/: No such file or directory
natagb@natagb-disk:~/Desktop/lesson2$ cat file 2
cat: file: No such file or directory
cat: 2: No such file or director
natagb@natagb-disk:~/Desktop/lesson2$ cat file2
HiHiHiHiHiHi!!!natagb@natagb-disk:~/Desktop/lesson2$ cp file1 file2
natagb@natagb-disk:~/Desktop/lesson2$ ls -l
total 8
drwxrwxr-x 2 natagb natagb 4096 kac  1 10:50 .
drwxr-xr-x 3 natagb natagb 4096 kac  1 10:48 ..
-rw-rw-r-- 1 natagb natagb   0 kac  1 10:50 file1
-rw-rw-r-- 1 natagb natagb   0 kac  1 10:58 file2

natagb@natagb-disk:~/Desktop/lesson2$ cat >file1

hello hello hello!natagb@natagb-disk:~/Desktop/lesson2$ ls -la

total 12

drwxrwxr-x 2 natagb natagb 4096 kac  1 10:50 .

drwxr-xr-x 3 natagb natagb 4096 kac  1 10:48 ..

-rw-rw-r-- 1 natagb natagb  18 kac  1 10:59 file1

-rw-rw-r-- 1 natagb natagb   0 kac  1 10:58 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cp file1 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 16
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 10:50 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat file1 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 16
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 10:50 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cp file1 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 16
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 10:50 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 11:01 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat file1 file2>file3
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 20
```

```
drwxrwxr-x 2 natagb natagb 4096 kac  1 11:02 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac  1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb  18 kac  1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb  18 kac  1 11:01 file2
```

```
-rw-rw-r-- 1 natagb natagb  36 kac  1 11:02 file3
```

```
natagb@natagb-disk:~/Desktop/lesson2$ mv file3 file5
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 20
```

```
drwxrwxr-x 2 natagb natagb 4096 kac  1 11:03 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac  1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb  18 kac  1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb  18 kac  1 11:01 file2
```

```
-rw-rw-r-- 1 natagb natagb  36 kac  1 11:02 file5
```

```
natagb@natagb-disk:~/Desktop/lesson2$ touch file6
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat >file6
```

```
good morning!
```

```
natagb@natagb-disk:~/Desktop/lesson2$ touch file7
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat >file7
```

```
Have a nice day!natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 28
```

```
drwxrwxr-x 2 natagb natagb 4096 kac  1 11:05 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 11:01 file2
```

```
-rw-rw-r-- 1 natagb natagb 36 kac 1 11:02 file5
```

```
-rw-rw-r-- 1 natagb natagb 14 kac 1 11:05 file6
```

```
-rw-rw-r-- 1 natagb natagb 16 kac 1 11:06 file7
```

```
natagb@natagb-disk:~/Desktop/lesson2$ mkdir dir1
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls
```

```
dir1 file1 file2 file5 file6 file7
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 32
```

```
drwxrwxr-x 3 natagb natagb 4096 kac 1 11:07 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 11:07 dir1
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 10:59 file1
```

```
-rw-rw-r-- 1 natagb natagb 18 kac 1 11:01 file2
```

```
-rw-rw-r-- 1 natagb natagb 36 kac 1 11:02 file5
```

```
-rw-rw-r-- 1 natagb natagb 14 kac 1 11:05 file6
```

```
-rw-rw-r-- 1 natagb natagb 16 kac 1 11:06 file7
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat file1
```

```
hello hello hello!natagb@natagb-disk:~/Desktop/lesson2$ touch dir1/file{1..7}
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls dir1/
```

file1 file2 file3 file4 file5 file6 file7

natagb@natagb-disk:~/Desktop/lesson2\$ rm file1 file2 file3 file4 file5 file6 file7

rm: cannot remove 'file3': No such file or directory

rm: cannot remove 'file4': No such file or directory

natagb@natagb-disk:~/Desktop/lesson2\$ ls -la

total 12

drwxrwxr-x 3 natagb natagb 4096 кәс 1 11:11 .

drwxr-xr-x 3 natagb natagb 4096 кәс 1 10:48 ..

drwxrwxr-x 2 natagb natagb 4096 кәс 1 11:09 dir1

natagb@natagb-disk:~/Desktop/lesson2\$ rm -r dir1

natagb@natagb-disk:~/Desktop/lesson2\$ ls -la

total 8

drwxrwxr-x 2 natagb natagb 4096 кәс 1 11:11 .

drwxr-xr-x 3 natagb natagb 4096 кәс 1 10:48 ..

natagb@natagb-disk:~/Desktop/lesson2\$ touch file1

natagb@natagb-disk:~/Desktop/lesson2\$ cat >file1

sdrftgyhujkol;l';'

dfghjkl;'fghejflkjlgggksgkklsglglskgl;gkl;gnatagb@natagb-disk:~/Desktop/lesson2\$ touch file2

natagb@natagb-disk:~/Desktop/lesson2\$ cp file1 file2

natagb@natagb-disk:~/Desktop/lesson2\$ ls -la

total 16

drwxrwxr-x 2 natagb natagb 4096 кәс 1 11:14 .

drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..

-rw-rw-r-- 1 natagb natagb 64 kac 1 11:12 file1

-rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2

natagb@natagb-disk:~/Desktop/lesson2\$ sudo apt install tree

[sudo] password for natagb:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following NEW packages will be installed:

tree

0 upgraded, 1 newly installed, 0 to remove and 2 not upgraded.

Need to get 47,9 kB of archives.

After this operation, 116 kB of additional disk space will be used.

Get:1 http://by.archive.ubuntu.com/ubuntu/jammy/universe/amd64/tree_2.0.2-1 [47,9 kB]

Fetch 47,9 kB in 0s (230 kB/s)

Selecting previously unselected package tree.

(Reading database ... 206378 files and directories currently installed.)

Preparing to unpack .../tree_2.0.2-1_amd64.deb ...

Unpacking tree (2.0.2-1) ...

Setting up tree (2.0.2-1) ...

Processing triggers for man-db (2.10.2-1) ...

natagb@natagb-disk:~/Desktop/lesson2\$ echo file3

file3

```
natagb@natagb-disk:~/Desktop/lesson2$ echo file3>file1
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 16
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 11:14 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 6 kac 1 11:18 file1
```

```
-rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat file1
```

file3

```
natagb@natagb-disk:~/Desktop/lesson2$ ln file -s file3 file1
```

```
ln: target 'file1': Not a directory
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ln file -s file3 softlink
```

```
ln: target 'softlink': No such file or directory
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 16
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 11:14 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 6 kac 1 11:18 file1
```

```
-rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -lai
```

```
total 16
```

```
1447136 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:14 .
```

```
1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
1447511 -rw-rw-r-- 1 natagb natagb 6 kac 1 11:18 file1
```

```
1447659 -rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ln file -s /home/natagb/lesson2/links/file3  
soft_abs
```

```
ln: target 'soft_abs': No such file or directory
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -lai
```

```
total 16
```

```
1447136 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:14 .
```

```
1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
1447511 -rw-rw-r-- 1 natagb natagb 6 kac 1 11:18 file1
```

```
1447659 -rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ lh file4 hardlink
```

```
lh: command not found
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls file4 hardlink
```

```
ls: cannot access 'file4': No such file or directory
```

```
ls: cannot access 'hardlink': No such file or directory
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 16
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 11:14 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 6 kac 1 11:18 file1
```

```
-rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```



```
natagb@natagb-disk:~/Desktop/lesson2$ ls -lai
```

```
total 16
```

```
1447136 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:14 .
```

```
1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
1447511 -rw-rw-r-- 1 natagb natagb 6 kac 1 11:18 file1
```

```
1447659 -rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ rm file1
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -la
```

```
total 12
```

```
drwxrwxr-x 2 natagb natagb 4096 kac 1 11:28 .
```

```
drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
-rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cd links
```

```
bash: cd: links: No such file or directory
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ls -lai
```

```
total 12
```

```
1447136 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:28 .
```

```
1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..
```

```
1447659 -rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2
```

```
natagb@natagb-disk:~/Desktop/lesson2$ mv softlink
```

```
mv: missing destination file operand after 'softlink'
```

```
Try 'mv --help' for more information.
```

```
natagb@natagb-disk:~/Desktop/lesson2$ mv--help
```

```
mv--help: command not found
```

```
natagb@natagb-disk:~/Desktop/lesson2$ mv --help
```

```
Usage: mv [OPTION]... [-T] SOURCE DEST
```

```
or: mv [OPTION]... SOURCE... DIRECTORY
```

```
or: mv [OPTION]... -t DIRECTORY SOURCE...
```

Rename SOURCE to DEST, or move SOURCE(s) to DIRECTORY.

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

--backup[=CONTROL] make a backup of each existing destination file

-b like --backup but does not accept an argument

-f, --force do not prompt before overwriting

-i, --interactive prompt before overwrite

-n, --no-clobber do not overwrite an existing file

If you specify more than one of -i, -f, -n, only the final one takes effect.

--strip-trailing-slashes remove any trailing slashes from each SOURCE
argument

-S, --suffix=SUFFIX override the usual backup suffix

-t, --target-directory=DIRECTORY move all SOURCE arguments into
DIRECTORY

-T, --no-target-directory treat DEST as a normal file

-u, --update move only when the SOURCE file is newer
than the destination file or when the

destination file is missing

-v, --verbose explain what is being done

-Z, --context set SELinux security context of destination

file to default type

--help display this help and exit

--version output version information and exit

The backup suffix is '~', unless set with --suffix or SIMPLE_BACKUP_SUFFIX.

The version control method may be selected via the --backup option or through the VERSION_CONTROL environment variable. Here are the values:

none, off never make backups (even if --backup is given)

numbered, t make numbered backups

existing, nil numbered if numbered backups exist, simple otherwise

simple, never always make simple backups

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

Full documentation <<https://www.gnu.org/software/coreutils/mv>>

or available locally via: info '(coreutils) mv invocation'

```
natagb@natagb-disk:~/Desktop/lesson2$
```

```
natagb@natagb-disk:~/Desktop/lesson2$ cat soft_abs
```

```
cat: soft_abs: No such file or directory
```

```
natagb@natagb-disk:~/Desktop/lesson2$ ln -s/lesson2/file3 soft_abs
```

ln: invalid option -- '/'

Try 'ln --help' for more information.

natagb@natagb-disk:~/Desktop/lesson2\$ ln -s/lesson2/ file3 soft_abs

ln: invalid option -- '/'

Try 'ln --help' for more information.

natagb@natagb-disk:~/Desktop/lesson2\$ ln -s /lesson2/ file3 soft_abs

ln: target 'soft_abs': No such file or directory

natagb@natagb-disk:~/Desktop/lesson2\$ mkdir soft_abs

natagb@natagb-disk:~/Desktop/lesson2\$ ln -s /lesson2/ file3 soft_abs

natagb@natagb-disk:~/Desktop/lesson2\$ cat soft_abs

cat: soft_abs: Is a directory

natagb@natagb-disk:~/Desktop/lesson2\$ touch file3

natagb@natagb-disk:~/Desktop/lesson2\$ cat >file3

egsnjknkjgkjgkgnhghjyhglkbfvcl,sxn
natagb@natagb-disk:~/Desktop/lesson2\$ mv
file3 file1

natagb@natagb-disk:~/Desktop/lesson2\$ ls -lai

total 20

1447136 drwxrwxr-x 3 natagb natagb 4096 kac 1 11:39 .

1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..

1447695 -rw-rw-r-- 1 natagb natagb 34 kac 1 11:37 file1

1447659 -rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2

1447511 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:35 soft_abs

natagb@natagb-disk:~/Desktop/lesson2\$ mv ../soft_abs

mv: missing destination file operand after './soft_abs'

Try 'mv --help' for more information.

natagb@natagb-disk:~/Desktop/lesson2\$ mv ../soft_abs.

mv: missing destination file operand after './soft_abs.'

Try 'mv --help' for more information.

natagb@natagb-disk:~/Desktop/lesson2\$ mkdir softlink

natagb@natagb-disk:~/Desktop/lesson2\$ mv ../softlink.

mv: missing destination file operand after './softlink.'

Try 'mv --help' for more information.

natagb@natagb-disk:~/Desktop/lesson2\$ ls -lai

total 24

1447136 drwxrwxr-x 4 natagb natagb 4096 kac 1 11:42 .

1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..

1447695 -rw-rw-r-- 1 natagb natagb 34 kac 1 11:37 file1

1447659 -rw-rw-r-- 1 natagb natagb 64 kac 1 11:14 file2

1447511 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:35 soft_abs

1447559 drwxrwxr-x 2 natagb natagb 4096 kac 1 11:42 softlink

natagb@natagb-disk:~/Desktop/lesson2\$ mv soft_abs softlink

natagb@natagb-disk:~/Desktop/lesson2\$ ls -lai

total 20

1447136 drwxrwxr-x 3 natagb natagb 4096 kac 1 11:46 .

1447091 drwxr-xr-x 3 natagb natagb 4096 kac 1 10:48 ..

```
1447695 -rw-rw-r-- 1 natagb natagb 34 Kac 1 11:37 file1
```

```
1447659 -rw-rw-r-- 1 natagb natagb 64 Kac 1 11:14 file2
```

```
1447559 drwxrwxr-x 3 natagb natagb 4096 Kac 1 11:46 softlink
```

```
natagb@natagb-disk:~/Desktop/lesson2$ tree
```

```
.
```

```
├── file1
```

```
├── file2
```

```
└── softlink
```

```
    ├── soft_abs
```

```
        ├── file3 -> file3
```

```
        └── lesson2 -> /lesson2/
```

2 directories, 4 files

```
natagb@natagb-disk:~/Desktop/lesson2$ history
```

```
1  studo apt update
```

```
2  studo apt install ssh mc
```

```
3  sudo apt update
```

```
4  sudo apt install ssh mc
```

```
5  bash autorun.sh
```

```
6  sudo reboot
```

```
7  natadb2023
```

```
8  sudo apt install ssh mc
```

```
9  ip a
```

- 10 `sudo apt install gcc`
- 11 `sudo apt install gcc perl make`
- 12 `mkdir lesson2`
- 13 `cd lesson/`
- 14 `cd lesson2/`
- 15 `touch file1`
- 16 `ls -la`
- 17 `cat >file2`
- 18 `cat file 2`
- 19 `pwd`
- 20 `ls`
- 21 `ls/`
- 22 `cat file 2`
- 23 `cat file2`
- 24 `cp file1 file2`
- 25 `ls -la`
- 26 `cat >file1`
- 27 `ls -la`
- 28 `cp file1 file2`
- 29 `ls -la`
- 30 `cat file1 file2`
- 31 `ls -la`

```
32 cp file1 file2
33 ls -la
34 cat file1 file2>file3
35 ls -la
36 mv file3 file5
37 ls -la
38 touch file6
39 cat >file6
40 touch file7
41 cat >file7
42 ls -la
43 mkdir dir1
44 ls
45 ls -la
46 cat file1
47 touch dir1/file{1..7}
48 ls dir1/
49 rm file1 file2 file3 file4 file5 file6 file7
50 ls -la
51 rm -r dir1
52 ls -la
53 touch file1
54 cat >file1
```



```
55 touch file2

56 cp file1 file2

57 ls -la

58 sudo apt install tree

59 echo file3

60 echo file3>file1

61 ls -la

62 cat file1

63 ln file -s file3 file1

64 ln file -s file3 softlink

65 ls -la

66 ls -lai

67 ln file -s /home/natagb/lesson2/links/file3 soft_abs

68 ls -lai

69 ln file4 hardlink

70 ls file4 hardlink

71 ls -la

72 ls -lai

73 rm file1

74 ls -la

75 cd links

76 ls -lai
```

```
77 mv softlink
78 mv--help
79 mv --help
80 cat soft_abs
81 ln -s/lesson2/file3 soft_abs
82 ln -s/lesson2/ file3 soft_abs
83 ln -s /lesson2/ file3 soft_abs
84 mkdir soft_abs
85 ln -s /lesson2/ file3 soft_abs
86 cat soft_abs
87 touch file3
88 cat >file3
89 mv file3 file1
90 ls -lai
91 mv ../soft_abs
92 mv ../soft_abs.
93 mkdir softlink
94 mv ../softlink.
95 ls -lai
96 mv soft_abs softlink
97 ls -lai
98 tree
99 history
```