

Welcome to Termux!

Wiki: <https://wiki.termux.com>

Community forum: <https://termux.com/community>

Gitter chat: <https://gitter.im/termux/termux>

IRC channel: [#termux on freenode](#)

Working with packages:

- * Search packages: `pkg search <query>`
- * Install a package: `pkg install <package>`
- * Upgrade packages: `pkg upgrade`

Subscribing to additional repositories:

- * Root: `pkg install root-repo`
- * Unstable: `pkg install unstable-repo`
- * X11: `pkg install x11-repo`

Report issues at <https://termux.com/issues>

```
$ mkdir nitap
```

```
$ ls
```

```
app.text  downloads  nit  nitap
```

```
$ cd nitap
```

```
$ mkdir department
```

```
$ ls
```

```
department
```

```
$ cd department
```

```
$ mkdir cse ece eee
```

```
$ ls
```

```
cse ece eee
```

```
$ cd cse
```

```
$ mkdir rollno
```

```
$ ls
```

```
rollno
```

```
$ cd rollno
```

```
$ cat > 411935.text
```

```
ls
```

```
^C
```

```
$ ls
```

```
411935.text
```

```
$ cat > file1 file2
```

```
cat: file2: No such file or directory
```

```
$ cat > file1
```

```
this is file1$ cat > file2
```

```
this is file2$ ls
```

```
411935.text file1 file2
```

```
$ comm file1 file2
```

```
this is file1
```

this is file2

\$ cp file1 411935.text

\$ cat 411935.text

this is file1\$ head file2

this is file2\$ tail file2

this is file2\$ cat >> file2

hello!may I come in!!!!

ok bai

bye bye bye!!!

apple

t

e

c

h

n

o

\$ head file2

this is file2hello!may I come in!!!!

ok bai

bye bye bye!!!

apple

t

e

c

h

n

o

\$ tail file2

this is file2hello!may I come in!!!!

ok bai

bye bye bye!!!

apple

t

e

c

h

n

o

\$ man grep

\$ grep 411935

hello

apple

banyan\$ cat 411935

cat: 411935: No such file or directory

\$ 411935.text

411935.text: command not found

\$ man grep

\$

\$ vi

\$./hello

bash: ./hello: No such file or directory

\$ pwd

/data/data/com.termux/files/home/nitap/department/cse/rollno

\$ man ls

\$ chmod 411935.text

chmod: missing operand after '411935.text'

Try 'chmod --help' for more information.

\$ chmod --help

Usage: chmod [OPTION]... MODE[,MODE]... FILE...

or: chmod [OPTION]... OCTAL-MODE FILE...

or: chmod [OPTION]... --reference=RFILE FILE...

Change the mode of each FILE to MODE.

With --reference, change the mode of each FILE to that of RFILE.

-c, --changes like verbose but report only when a change is made

-f, --silent, --quiet suppress most error messages

-v, --verbose output a diagnostic for every file processed

 --no-preserve-root do not treat '/' specially (the default)

 --preserve-root fail to operate recursively on '/'

 --reference=RFILE use RFILE's mode instead of MODE values

-R, --recursive change files and directories recursively

 --help display this help and exit

 --version output version information and exit

Each MODE is of the form '[ugoa]*([-+=]([rwxXst]*|[ugo]))+([-+=][0-7]+'

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

Report any translation bugs to <<https://translationproject.org/team/>>

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

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

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/department/cse/rollno
```

```
$ ls rollno
```

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

```
$ ls
```

```
411935.text  file2
```

```
file1      'hello.c q'
```

```
$ rm hello.c q
```

```
rm: cannot remove 'hello.c': No such file or directory
```

```
rm: cannot remove 'q': No such file or directory
```

```
$ rm hello.c
```

```
rm: cannot remove 'hello.c': No such file or directory
```

```
$ rm 'hello.c q'
```

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/department/cse/rollno
```

```
$ ls
```

```
411935.text  file1  file2
```

```
$ ls -l
```

```
total 12
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ ls -r
```

```
file2 file1 411935.text
```

```
$ ls -w
```

```
ls: option requires an argument -- 'w'
```

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

```
$ ls --w
```

```
ls: option '--width' requires an argument
```

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

```
$ ls -l -f
```

```
. .. 411935.text file1 file2
```

```
$ rm .
```

```
rm: cannot remove '.': Is a directory
```

```
$ cd .
```

```
$ cd rollno
```

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

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/departement/cse/rollno
```

```
$ ls
```

```
411935.text file1 file2
```

```
$ ls -l
```

```
total 12
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ ls -l chmod -v g=
```

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

```
ls: cannot access 'g=': No such file or directory
```

```
$ chmod -v
```

```
chmod: missing operand
```

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

```
$ chmod -v g=
```

```
chmod: missing operand after 'g='
```

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

```
$ chmod -v 411935
```

```
chmod: missing operand after '411935'
```

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

```
$ ls -l
```

```
total 12
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ chmod -v
```

```
chmod: missing operand
```

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

```
$ man chmod
```

```
$ chmod -v file1.h
```

```
chmod: missing operand after 'file1.h'
```

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



```
$ chmod --help
```

Usage: chmod [OPTION]... MODE[,MODE]... FILE...

or: chmod [OPTION]... OCTAL-MODE FILE...

or: chmod [OPTION]... --reference=RFILE FILE...

Change the mode of each FILE to MODE.

With --reference, change the mode of each FILE to that of RFILE.

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 --no-preserve-root do not treat '/' specially (the default)

 --preserve-root fail to operate recursively on '/'

 --reference=RFILE use RFILE's mode instead of MODE values

-R, --recursive change files and directories recursively

 --help display this help and exit

 --version output version information and exit

Each MODE is of the form '[ugoa]*([-+]=([rwxXst]*|[ugo]))+([-+]=[0-7])+'

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

Report any translation bugs to <<https://translationproject.org/team/>>

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

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

```
$ chmod-v
```

No command chmod-v found, did you mean:

Command chmod in package coreutils

```
$ chmod -v
```

chmod: cannot access 'v': No such file or directory

```
$ chmod -v file1
```

chmod: missing operand after 'file1'

Try 'chmod --help' for more information.

```
$ chmod -v file1 g+x
```

chmod: invalid mode: 'file1'

Try 'chmod --help' for more information.

```
$ ls-l
```

No command ls-l found, did you mean:

Command ls in package coreutils

Command psl in package libpsl

Command lsof in package lsof

Command sql in package parallel

Command psql in package postgresql

Command lsrc in package rcm

Command sl in package sl

Command xsel in package xsel from the x11-repo repository

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/department/cse/rollno
```

```
$ ls -l
```

total 12

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ ls-l chmod
```

No command ls-l found, did you mean:

Command ls in package coreutils

Command psl in package libpsl

Command lsof in package lsof

Command sql in package parallel

Command psql in package postgresql

Command lsrc in package rcm

Command sl in package sl

Command xsel in package xsel from the x11-repo repository

```
$ ls chmod -v
```

ls: cannot access 'chmod': No such file or directory

```
$ ls -l
```

```
total 12
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ chmod g-rwx file1 file2 411935.text
```

```
$ ls -l
```

```
total 12
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ chmod o-rwx file1 file2 411935.text
```

```
$ ls -l
```

```
total 12
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ chmod g+r file1 file2 411935.text
```

```
$ ls -l
```

```
total 12
```

```
-rw-r----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rw-r----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw-r----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ chmod u+rw file1
```

```
$ ls -l
```

```
total 12
```

```
-rw-r----- 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rwxr----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rw-r----- 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ chmod u+rw,g+rw,o+rw 411935.text file2
```

```
$ ls -l
```

```
total 12
```

```
-rwxrwxrwx 1 u0_a323 u0_a323 13 Sep 24 14:29 411935.text
```

```
-rwxr----- 1 u0_a323 u0_a323 13 Sep 24 14:11 file1
```

```
-rwxrwxrwx 1 u0_a323 u0_a323 77 Sep 24 14:32 file2
```

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/department/cse/rollno
```

```
$ ls
```

```
411935.text file1 file2
```

```
$ cat file1
```

```
this is file1$ cat file2
```

```
this is file2hello!may I come in!!!!
```

```
ok bai
```

```
bye bye bye!!!
```

```
apple
```

```
t
```

```
e
```

```
c
```

```
h
```

```
n
```

```
o
```

```
$ cp file1 file2
```

```
$ cat file2
```

```
this is file1$ cat file1
```

```
this is file1$ mv file2 411935.text
```

```
$ cat 411935.text
```

```
this is file1$ cat file2
```

```
cat: file2: No such file or directory
```

```
$ w
```

```
No command w found, did you mean:
```

```
Command [ in package coreutils
```

```
Command iw in package iw from the root-repo repository
```

Command k in package kona

Command o in package o

Command o in package o-editor

Command v in package vlang from the unstable-repo repository

Command wg in package wireguard-tools

\$ id

uid=10323(u0_a323) gid=10323(u0_a323)

groups=10323(u0_a323),3003(inet),9997(everybody),20323(u0_a323_cache),50323(all_a323)

\$ ls-l

No command ls-l found, did you mean:

Command ls in package coreutils

Command psl in package libpsl

Command lsof in package lsof

Command sql in package parallel

Command psql in package postgresql

Command lsrc in package rcm

Command sl in package sl

Command xsel in package xsel from the x11-repo repository

\$ pwd

/data/data/com.termux/files/home/nitap/department/cse/rollno

\$ ls

411935.text file1

\$ cat > file2

ls

command

do

```
$ cat file2
```

```
ls
```

```
command
```

```
do
```

```
$ id
```

```
uid=10323(u0_a323) gid=10323(u0_a323)
```

```
groups=10323(u0_a323),3003(inet),9997(everybody),20323(u0_a323_cache),50323(all_a323)
```

```
$ hostname
```

```
localhost
```

```
$ ls
```

```
411935.text file1 file2
```

```
$ wc file1
```

```
0 3 13 file1
```

```
$ wc -w file1
```

```
3 file1
```

```
$ id
```

```
uid=10323(u0_a323) gid=10323(u0_a323)
```

```
groups=10323(u0_a323),3003(inet),9997(everybody),20323(u0_a323_cache),50323(all_a323)
```

```
$ id
```

```
uid=10323(u0_a323) gid=10323(u0_a323)
```

```
groups=10323(u0_a323),3003(inet),9997(everybody),20323(u0_a323_cache),50323(all_a323)
```

```
$ id
```

```
uid=10323(u0_a323) gid=10323(u0_a323)
```

```
groups=10323(u0_a323),3003(inet),9997(everybody),20323(u0_a323_cache),50323(all_a323)
```

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/department/cse/rollno
```

```
$ ls
```

411935.text file1 file2

\$ cat file1

this is file1\$ wc file1

0 3 13 file1

\$ wc -w file1

3 file1

\$ wc -l file1

0 file1

\$ wc -c file1

13 file1

\$ ps

PID	TTY	TIME	CMD
-----	-----	------	-----

8263	pts/28	00:00:00	ps
------	--------	----------	----

22440	pts/28	00:00:00	bash
-------	--------	----------	------

\$ ps -A

PID	TTY	TIME	CMD
-----	-----	------	-----

1665	?	00:05:03	.android.chrome
------	---	----------	-----------------

1794	?	00:05:32	ileged_process0
------	---	----------	-----------------

4418	?	00:00:09	facebook.katana
------	---	----------	-----------------

7400	?	00:00:03	oid.apps.photos
------	---	----------	-----------------

8036	?	00:00:01	egram.messenger
------	---	----------	-----------------

8271	pts/28	00:00:00	ps
------	--------	----------	----

19984	?	00:02:14	com.whatsapp
-------	---	----------	--------------

22405	?	00:01:16	com.termux
-------	---	----------	------------

22440	pts/28	00:00:00	bash
-------	--------	----------	------

26573 ? 00:09:53 d.touchpal.vivo

31448 ? 00:08:21 droid.apps.docs

\$ who

No command who found, did you mean:

Command whom in package nmh from the unstable-repo repository

\$ man who

man: No entry for who in the manual.

\$ id

uid=10323(u0_a323) gid=10323(u0_a323)

groups=10323(u0_a323),3003(inet),9997(everybody),20323(u0_a323_cache),50323(all_a323)

\$ who

No command who found, did you mean:

Command whom in package nmh from the unstable-repo repository

\$ who -H

No command who found, did you mean:

Command whom in package nmh from the unstable-repo repository

\$ which

\$

\$ who

No command who found, did you mean:

Command whom in package nmh from the unstable-repo repository

\$ cd nitap

bash: cd: nitap: No such file or directory

\$ pwd

/data/data/com.termux/files/home/nitap/department/cse/rollno

\$ cd

```
$ cd nitap
```

```
$ cd
```

```
$ pwd
```

```
/data/data/com.termux/files/home
```

```
$ who
```

```
No command who found, did you mean:
```

```
Command whom in package nmh from the unstable-repo repository
```

```
$ ls
```

```
app.text downloads nit nitap
```

```
$ cd nitap
```

```
$ ls
```

```
department
```

```
$ cd department
```

```
$ ls
```

```
cse ece eee
```

```
$ cd cse
```

```
$ ls
```

```
rollno
```

```
$ cd rollno
```

```
$ ls
```

```
411935.text file1 file2
```

```
$
```

```
$
```

```
$
```

```
$
```

\$

\$

\$

\$

\$

\$

\$

\$ echo \$SHELL

/data/data/com.termux/files/usr/bin/bash

\$ ls

411935.text file1 file2

\$ rm *.text

\$ ls

file1 file2

\$ rm file*

\$ ls

\$ cat > file01

hello

hai\$ cat > file02

from

to

\$ cat > file1

king

emperor

\$ cat > file2

boss

bachelor

\$ cat > file3

sivaji

chatrapathi

\$ ls file[012]

file1 file2

\$ ls file[!0]

file1 file2 file3

\$ ls

file01 file02 file1 file2 file3

\$ ls file[012]

file1 file2

\$ ls file[0][!0]

file01 file02

\$ ls file*

file01 file02 file1 file2 file3

\$ ls file?

file1 file2 file3

\$ ls file??

file01 file02

\$ ls f*

file01 file02 file1 file2 file3

\$ find rollno -name "file[012]"

find: 'rollno': No such file or directory

```
$ pwd
```

```
/data/data/com.termux/files/home/nitap/department/cse/rollno
```

```
$ history
```

```
1 mkdir nitap
```

```
2 ls
```

```
3 cd nitap
```

```
4 mkdir department
```

```
5 ls
```

```
6 cd department
```

```
7 mkdir cse ece eee
```

```
8 ls
```

```
9 cd cse
```

```
10 mkdir rollno
```

```
11 ls
```

```
12 cd rollno
```

```
13 cat > 411935.text
```

```
14 ls
```

```
15 cat > file1 file2
```

```
16 cat > file1
```

```
17 cat > file2
```

```
18 ls
```

```
19 comm file1 file2
```

```
20 cp file1 411935.text
```

```
21 cat 411935.text
```

```
22 head file2
```

```
23 tail file2
24 cat >> file2
25 head file2
26 tail file2
27 man grep
28 grep 411935
29 cat 411935
30 411935.text
31 man grep
32 vi
33 ./hello
34 pwd
35 man ls
36 chmod 411935.text
37 chmod --help
38 pwd
39 ls rollno
40 ls
41 rm hello.c q
42 rm hello.c
43 rm 'hello.c q'
44 pwd
45 ls
46 ls -l
47 ls -r
```

```
48 ls -w
49 ls --w
50 ls -l -f
51 rm .
52 cd .
53 cd rollno
54 pwd
55 ls
56 ls -l
57 ls -l chmod -v g=
58 chmod -v
59 chmod -v g=
60 chmod -v 411935
61 ls -l
62 chmod -v
63 man chmod
64 chmod -v file1.h
65 chmod --help
66 chmod -v
67 chmod - v
68 chmod -v file1
69 chmod -v file1 g+x
70 ls -l
71 pwd
72 ls -l
```

```
73 ls-l chmod
74 ls chmod -v
75 ls -l
76 chmod g-rwx file1 file2 411935.text
77 ls -l
78 chmod o-rwx file1 file2 411935.text
79 ls -l
80 chmod g+r file1 file2 411935.text
81 ls -l
82 chmod u+rwx file1
83 ls -l
84 chmod u+rwx,g+rwx,o+rwx 411935.text file2
85 ls -l
86 pwd
87 ls
88 cat file1
89 cat file2
90 cp file1 file2
91 cat file2
92 cat file1
93 mv file2 411935.text
94 cat 411935.text
95 cat file2
96 w
97 id
```


98 ls-l

99 pwd

100 ls

101 cat > file2

102 cat file2

103 id

104 hostname

105 ls

106 wc file1

107 wc -w file1

108 id

109 id

110 id

111 pwd

112 ls

113 cat file1

114 wc file1

115 wc -w file1

116 wc -l file1

117 wc -c file1

118 ps

119 ps -A

120 who

121 man who

122 id

```
123 who
124 who -H
125 which
126 who
127 cd nitap
128 pwd
129 cd
130 cd nitap
131 cd
132 pwd
133 who
134 ls
135 cd nitap
136 ls
137 cd department
138 ls
139 cd cse
140 ls
141 cd rollno
142 ls
143 echo $SHELL
144 ls
145 rm *.text
146 ls
147 rm file*
```

148 ls

149 cat > file01

150 cat > file02

151 cat > file1

152 cat > file2

153 cat > file3

154 ls file[012]

155 ls file[!=0]

156 ls

157 ls file[012]

158 ls file[0][!0]

159 ls file*

160 ls file?

161 ls file??

162 ls f*

163 find rollno -name "file[012]"

164 pwd

165 history

\$ ls

file01 file02 file1 file2 file3