

# Aleka HM3

April 4, 2020

```
[1]: pwd
```

```
/home/jupyter-aruzhan149/aleka
```

```
[4]: cd ..
```

```
[5]: pwd
```

```
/home/jupyter-aruzhan149
```

```
[6]: ls
```

```
aleka          Untitled1.ipynb  Untitled4.ipynb  Untitled.ipynb
'Home work1.ipynb'  Untitled2.ipynb  Untitled5.ipynb
shared         Untitled3.ipynb  Untitled6.ipynb
```

```
[8]: touch Toni
```

```
[9]: ls
```

```
aleka          Toni          Untitled3.ipynb  Untitled6.ipynb
'Home work1.ipynb'  Untitled1.ipynb  Untitled4.ipynb  Untitled.ipynb
shared         Untitled2.ipynb  Untitled5.ipynb
```

```
[10]: touch Noni
```

```
[11]: touch Aroni
```

```
[12]: ls *oni
```

```
Aroni  Noni  Toni
```

```
[13]: ls ?oni
```

```
Noni  Toni
```

```
[14]: touch 1.txt
```

```
[15]: touch 2.txt
```

```
[16]: touch 3.txt
```

```
[17]: ls *.txt
```

```
1.txt 2.txt 3.txt
```

```
[18]: touch neytron
```

```
[19]: touch neytrron
```

```
[20]: ls
```

```
1.txt 'Home work1.ipynb' Toni Untitled5.ipynb
2.txt neytron Untitled1.ipynb Untitled6.ipynb
3.txt neytrron Untitled2.ipynb Untitled.ipynb
aleka Noni Untitled3.ipynb
Aroni shared Untitled4.ipynb
```

```
[21]: ls neyt*on # '*' represents one or more characteristics
```

```
neytron neytrron
```

```
[22]: ls neyt?on # '?' represents only one characterictic at a time
```

```
neytron
```

```
[23]: # [] usage
```

```
[24]: ls [1-3].txt
```

```
1.txt 2.txt 3.txt
```

```
[25]: touch 14.txt
```

```
[26]: ls
```

```
14.txt aleka neytrron Untitled1.ipynb Untitled5.ipynb
1.txt Aroni Noni Untitled2.ipynb Untitled6.ipynb
2.txt 'Home work1.ipynb' shared Untitled3.ipynb Untitled.ipynb
3.txt neytron Toni Untitled4.ipynb
```

```
[30]: ls [1-30]*.txt
```

```
14.txt 1.txt 2.txt 3.txt
```

```
[33]: touch abc.txt
```

```
[34]: touch absd.txt
```

```
[35]: ls [a-z]*.txt
```

```
abc.txt absd.txt
```

```
[36]: touch a.jpg
```

```
[37]: touch n.png
```

```
[38]: touch t.png
```

```
[40]: ls *.[jp][pn]g
```

```
a.jpg n.png t.png
```

```
[41]: pwd
```

```
/home/jupyter-aruzhan149
```

```
[42]: cd ../../..
```

```
[43]: pwd
```

```
/
```

```
[44]: cd home
```

```
[45]: ls
```

azat	jupyter-cubefiction	jupyter-official-nanakai
jupyter-admin	jupyter-danenok	jupyter-orissim
jupyter-aiana178	jupyter-darganius	jupyter-tsagynysh
jupyter-aigerimunisat	jupyter-ekdana	jupyter-unisat
jupyter-aizadait	jupyter-inkar601	jupyter-unisatkz
jupyter-amayakof	jupyter-kkenzh	jupyter-yeldana
jupyter-amirkhan	jupyter-nazymungarova	jupyter-zhandos
jupyter-arrayka	jupyter-nuray.serkali	jupyter-zhanelbaltabay
jupyter-aruzhan149	jupyter-nurike	jupyter-zhannaspace
jupyter-aselleon	jupyter-nurlaura	
jupyter-azat	jupyter-nurlaura2	

```
[46]: ls -al
```

```
total 132
drwxr-xr-x 33 root          root          4096 Apr  2
17:12 .
drwxr-xr-x 25 root          root          4096 Mar 17
```

15:25 ..		
drwxr-xr-x 12 azat	azat	4096 Mar 18
01:23 azat		
drwxr-x--- 8 jupyter-admin	jupyter-admin	4096 Mar 21
17:42 jupyter-admin		
drwxr-x--- 8 jupyter-aiana178	jupyter-aiana178	4096 Apr 3
00:29 jupyter-aiana178		
drwxr-x--- 10 jupyter-aigerimunisat	jupyter-aigerimunisat	4096 Apr 3
19:25 jupyter-aigerimunisat		
drwxr-x--- 8 jupyter-aizadait	jupyter-aizadait	4096 Mar 28
01:17 jupyter-aizadait		
drwxr-x--- 10 jupyter-amayakof	jupyter-amayakof	4096 Mar 31
23:59 jupyter-amayakof		
drwxr-x--- 7 jupyter-amirkhan	jupyter-amirkhan	4096 Mar 21
13:40 jupyter-amirkhan		
drwxr-x--- 4 jupyter-arayka	jupyter-arayka	4096 Mar 18
17:22 jupyter-arayka		
drwxr-x--- 8 jupyter-aruzhan149	jupyter-aruzhan149	4096 Apr 3
23:37 jupyter-aruzhan149		
drwxr-x--- 7 jupyter-aselleon	jupyter-aselleon	4096 Mar 23
19:08 jupyter-aselleon		
drwxr-x--- 12 jupyter-azat	jupyter-azat	4096 Mar 23
22:20 jupyter-azat		
drwxr-x--- 11 jupyter-cubefiction	jupyter-cubefiction	4096 Apr 2
17:47 jupyter-cubefiction		
drwxr-x--- 12 jupyter-danenok	jupyter-danenok	4096 Apr 3
22:44 jupyter-danenok		
drwxr-x--- 7 jupyter-darganius	jupyter-darganius	4096 Mar 23
12:19 jupyter-darganius		
drwxr-x--- 8 jupyter-ekdana	jupyter-ekdana	4096 Mar 28
12:22 jupyter-ekdana		
drwxr-x--- 10 jupyter-inkar601	jupyter-inkar601	4096 Mar 28
14:09 jupyter-inkar601		
drwxr-x--- 10 jupyter-kkenzh	jupyter-kkenzh	4096 Apr 2
18:49 jupyter-kkenzh		
drwxr-x--- 7 jupyter-nazymungarova	jupyter-nazymungarova	4096 Mar 21
14:26 jupyter-nazymungarova		
drwxr-x--- 7 jupyter-nuray.serkali	jupyter-nuray.serkali	4096 Mar 19
17:09 jupyter-nuray.serkali		
drwxr-x--- 7 jupyter-nurike	jupyter-nurike	4096 Mar 24
04:56 jupyter-nurike		
drwxr-x--- 8 jupyter-nurlaura	jupyter-nurlaura	4096 Mar 28
00:09 jupyter-nurlaura		
drwxr-x--- 8 jupyter-nurlaura2	jupyter-nurlaura2	4096 Apr 2
01:29 jupyter-nurlaura2		
drwxr-x--- 9 jupyter-official-nanakai	jupyter-official-nanakai	4096 Apr 3
22:31 jupyter-official-nanakai		
drwxr-x--- 8 jupyter-orissim	jupyter-orissim	4096 Apr 3

```

22:10 jupyter-orissim
drwxr-x---  8 jupyter-tsagynysh      jupyter-tsagynysh      4096 Apr  1
17:39 jupyter-tsagynysh
drwxr-x--- 15 jupyter-unisat         jupyter-unisat         4096 Apr  2
17:10 jupyter-unisat
drwxr-x--- 11 jupyter-unisatkz       jupyter-unisatkz       4096 Apr  2
19:05 jupyter-unisatkz
drwxr-x---  4 jupyter-yeldana        jupyter-yeldana        4096 Mar 23
16:17 jupyter-yeldana
drwxr-x---  5 jupyter-zhandos        jupyter-zhandos        4096 Mar 23
12:19 jupyter-zhandos
drwxr-x---  8 jupyter-zhanelbaltabay jupyter-zhanelbaltabay 4096 Apr  2
14:23 jupyter-zhanelbaltabay
drwxr-x---  9 jupyter-zhannaspace     jupyter-zhannaspace     4096 Apr  2
04:01 jupyter-zhannaspace

```

[47]: `ls /home/jupyter-a*`

```

ls: cannot open directory '/home/jupyter-admin': Permission denied
ls: cannot open directory '/home/jupyter-aiana178': Permission denied
ls: cannot open directory '/home/jupyter-aigerimunisat': Permission denied
ls: cannot open directory '/home/jupyter-aizadait': Permission denied
ls: cannot open directory '/home/jupyter-amayakof': Permission denied
ls: cannot open directory '/home/jupyter-amirkhan': Permission denied
ls: cannot open directory '/home/jupyter-arayka': Permission denied
/home/jupyter-aruzhan149:
14.txt      absd          neytron      t.png        Untitled6.ipynb
1.txt      absd.txt     neytrron    Untitled1.ipynb  Untitled.ipynb
2.txt      a.jpg        Noni        Untitled2.ipynb
3.txt      aleka        n.png       Untitled3.ipynb
abc        Aroni        shared      Untitled4.ipynb
abc.txt    'Home work1.ipynb' Toni        Untitled5.ipynb
ls: cannot open directory '/home/jupyter-aselleon': Permission denied
ls: cannot open directory '/home/jupyter-azat': Permission denied

```

[48]: `ls /home/jupyter-u*`

```

ls: cannot open directory '/home/jupyter-unisat': Permission denied
ls: cannot open directory '/home/jupyter-unisatkz': Permission denied

```

[50]: `ls /bin`

```

bash          egrep         nc.openbsd    ss
btrfs         false        netcat        static-sh
btrfsck       fgconsole    netstat       stty

```

btrfs-debug-tree	fgrep	networkctl	su
btrfs-find-root	findmnt	nisdomainname	sync
btrfs-image	fsck.btrfs	ntfs-3g	systemctl
btrfs-map-logical	fuser	ntfs-3g.probe	systemd
btrfs-select-super	fusermount	ntfscat	systemd-ask-password
btrfstune	getfacl	ntfscluster	systemd-escape
btrfs-zero-log	grep	ntfscmp	systemd-hwdb
bunzip2	gunzip	ntfsfallocate	systemd-inhibit
busybox	gzexe	ntfsfix	systemd-machine-id-setup
bzcat	gzip	ntfsinfo	systemd-notify
bzcmp	hostname	ntfsls	systemd-sysusers
bzdiff	ip	ntfsmove	systemd-tmpfiles
bzegrep	journalctl	ntfsrecover	systemd-tty-ask-password-agent
bzexe	kbd_mode	ntfssecaudit	tar
bzfgrep	kill	ntfstruncate	tempfile
bzgrep	kmod	ntfsusermap	touch
bzip2	less	ntfswipe	true
bzip2recover	lessecho	open	udevadm
bzless	lessfile	openvt	unlockmgr_server
bzmore	lesskey	pidof	umount
cat	lesspipe	ping	uname
chac1	ln	ping4	uncompress
chgrp	loadkeys	ping6	unicode_start
chmod	login	plymouth	vdir
chown	loginctl	ps	wdctl
chvt	lowntfs-3g	pwd	which
cp	ls	rbash	whiptail
cpio	lsblk	readlink	ypdomainname
dash	lsmod	red	zcat
date	mkdir	rm	zcmp
dd	mkfs.btrfs	rmdir	zdiff
df	mknod	rnano	zegrep
dir	mktemp	run-parts	zfgrep
dmesg	more	rzsh	zforce
dnsdomainname	mount	sed	zgrep
domainname	mountpoint	setfacl	zless
dumpkeys	mt	setfont	zmore
echo	mt-gnu	setupcon	znew
ed	mv	sh	zsh
efibootdump	nano	sh.distrib	zsh5
efibootmgr	nc	sleep	

[51]: `ls /bin/c*`

```
/bin/cat    /bin/chgrp  /bin/chown  /bin/cp
/bin/chac1  /bin/chmod  /bin/chvt   /bin/cpio
```

```
[53]: pwd
```

```
/home
```

```
[54]: ls /home/*/aleka
```

```
'Aleka HM3.ipynb'      'Aruzhan Suleimenova.ipynb'  Untitled.ipynb
alekaresume.txt       pirozhocek                  USK02.dio
Aleka_USK_01_file.ipynb  Untitled1.ipynb
Aleka_USK_02.ipynb      Untitled3.ipynb
```

```
[55]: pwd
```

```
/home
```

```
[57]: cd /home/*/aleka
```

```
[58]: pwd
```

```
/home/jupyter-aruzhan149/aleka
```

```
[59]: cd ..
```

```
[60]: pwd
```

```
/home/jupyter-aruzhan149
```

```
[63]: ls
```

```
14.txt    absd          neytron      t.png        Untitled6.ipynb
1.txt     absd.txt     neytrron    Untitled1.ipynb  Untitled.ipynb
2.txt     a.jpg        Noni        Untitled2.ipynb
3.txt     aleka        n.png       Untitled3.ipynb
abc       Aroni        shared      Untitled4.ipynb
abc.txt   'Home work1.ipynb'  Toni        Untitled5.ipynb
```

```
[71]: cd /home/*aruzhan149/aleka
```

```
[72]: pwd
```

```
/home/jupyter-aruzhan149/aleka
```

```
[73]: # permission practice
```

```
[74]: ls /home
```

```
azat          jupyter-cubefiction  jupyter-official-nanakai
jupyter-admin jupyter-danenok      jupyter-orissim
jupyter-aiana178 jupyter-darganius    jupyter-tsagynysh
```

jupyter-aigerimunisat	jupyter-ekdana	jupyter-unisat
jupyter-aizadait	jupyter-inkar601	jupyter-unisatkz
jupyter-amayakof	jupyter-kkenzh	jupyter-yeldana
jupyter-amirkhan	jupyter-nazymungarova	jupyter-zhandos
jupyter-arayka	jupyter-nuray.serkali	jupyter-zhanelbaltabay
jupyter-aruzhan149	jupyter-nurike	jupyter-zhannaspace
jupyter-aselleon	jupyter-nurlaura	
jupyter-azat	jupyter-nurlaura2	

[75]: `cd /home/jupyter-aruzhan149`

[76]: `pwd`

/home/jupyter-aruzhan149

[77]: `cd /home`

[78]: `ls -l`

```
total 124
drwxr-xr-x 12 azat          azat          4096 Mar 18
01:23 azat
drwxr-x---  8 jupyter-admin jupyter-admin 4096 Mar 21
17:42 jupyter-admin
drwxr-x---  8 jupyter-aiana178 jupyter-aiana178 4096 Apr  3
00:29 jupyter-aiana178
drwxr-x--- 10 jupyter-aigerimunisat jupyter-aigerimunisat 4096 Apr  3
19:25 jupyter-aigerimunisat
drwxr-x---  8 jupyter-aizadait jupyter-aizadait 4096 Mar 28
01:17 jupyter-aizadait
drwxr-x--- 10 jupyter-amayakof jupyter-amayakof 4096 Mar 31
23:59 jupyter-amayakof
drwxr-x---  7 jupyter-amirkhan jupyter-amirkhan 4096 Mar 21
13:40 jupyter-amirkhan
drwxr-x---  4 jupyter-arayka jupyter-arayka 4096 Mar 18
17:22 jupyter-arayka
drwxr-x---  8 jupyter-aruzhan149 jupyter-aruzhan149 4096 Apr  3
23:37 jupyter-aruzhan149
drwxr-x---  7 jupyter-aselleon jupyter-aselleon 4096 Mar 23
19:08 jupyter-aselleon
drwxr-x--- 12 jupyter-azat jupyter-azat 4096 Mar 23
22:20 jupyter-azat
drwxr-x--- 11 jupyter-cubefiction jupyter-cubefiction 4096 Apr  2
17:47 jupyter-cubefiction
drwxr-x--- 12 jupyter-danenok jupyter-danenok 4096 Apr  3
22:44 jupyter-danenok
drwxr-x---  7 jupyter-darganius jupyter-darganius 4096 Mar 23
12:19 jupyter-darganius
```



```

drwxr-x---  8 jupyter-ekdana          jupyter-ekdana          4096 Mar  28
12:22 jupyter-ekdana
drwxr-x--- 10 jupyter-inkar601         jupyter-inkar601        4096 Mar  28
14:09 jupyter-inkar601
drwxr-x--- 10 jupyter-kkenzh          jupyter-kkenzh          4096 Apr   2
18:49 jupyter-kkenzh
drwxr-x---  7 jupyter-nazymungarova    jupyter-nazymungarova   4096 Mar  21
14:26 jupyter-nazymungarova
drwxr-x---  7 jupyter-nuray.serkali     jupyter-nuray.serkali   4096 Mar  19
17:09 jupyter-nuray.serkali
drwxr-x---  7 jupyter-nurike          jupyter-nurike          4096 Mar  24
04:56 jupyter-nurike
drwxr-x---  8 jupyter-nurlaura         jupyter-nurlaura        4096 Mar  28
00:09 jupyter-nurlaura
drwxr-x---  8 jupyter-nurlaura2        jupyter-nurlaura2       4096 Apr   2
01:29 jupyter-nurlaura2
drwxr-x---  9 jupyter-official-nanakai jupyter-official-nanakai 4096 Apr   3
22:31 jupyter-official-nanakai
drwxr-x---  9 jupyter-orissim          jupyter-orissim         4096 Apr   3
23:50 jupyter-orissim
drwxr-x---  8 jupyter-tsagynysh        jupyter-tsagynysh       4096 Apr   1
17:39 jupyter-tsagynysh
drwxr-x--- 15 jupyter-unisat           jupyter-unisat          4096 Apr   2
17:10 jupyter-unisat
drwxr-x--- 11 jupyter-unisatkz         jupyter-unisatkz        4096 Apr   2
19:05 jupyter-unisatkz
drwxr-x---  4 jupyter-yeldana          jupyter-yeldana         4096 Mar  23
16:17 jupyter-yeldana
drwxr-x---  5 jupyter-zhandos          jupyter-zhandos         4096 Mar  23
12:19 jupyter-zhandos
drwxr-x---  8 jupyter-zhanelbaltabay   jupyter-zhanelbaltabay  4096 Apr   2
14:23 jupyter-zhanelbaltabay
drwxr-x---  9 jupyter-zhannaspace      jupyter-zhannaspace     4096 Apr   2
04:01 jupyter-zhannaspace

```

[79]: `cd`

[80]: `pwd`

```
/home/jupyter-aruzhan149
```

[82]: `ls -l aleka`

```

total 144
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 23063 Apr  3 23:53 'Aleka
HM3.ipynb'
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149    0 Mar 27 18:17
alekaresume.txt

```

```

-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 18086 Mar 28 11:57
Aleka_USK_01_file.ipynb
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 18376 Apr  1 02:38
Aleka_USK_02.ipynb
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 13016 Mar 27 16:21 'Aruzhan
Suleimenova.ipynb'
drwxr-xr-x 2 jupyter-aruzhan149 jupyter-aruzhan149  4096 Mar 26 15:26
pirozhochek
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149  5331 Apr  2 17:39
Untitled1.ipynb
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 14140 Mar 29 16:42
Untitled3.ipynb
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 13240 Mar 27 16:37
Untitled.ipynb
-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 17325 Apr  1 02:37  USK02.dio

```

```
[83]: ls -l Aroni
```

```

-rw-r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 0 Apr  3 23:22 Aroni

```

```
[84]: chmod u-w Aroni
```

```
[85]: ls -l Aroni
```

```

-r--r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 0 Apr  3 23:22 Aroni

```

```
[86]: chmod o+w Aroni
```

```
[87]: ls -l Aroni
```

```

-r--r--rw- 1 jupyter-aruzhan149 jupyter-aruzhan149 0 Apr  3 23:22 Aroni

```

```
[88]: chmod o-w Aroni
```

```
[89]: ls -l Aroni
```

```

-r--r--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 0 Apr  3 23:22 Aroni

```

```
[90]: chmod u+wrwx Aroni
```

```
[91]: ls -l Aroni
```

```

-rwxr--r-- 1 jupyter-aruzhan149 jupyter-aruzhan149 0 Apr  3 23:22 Aroni

```

```
[92]: man chmod
```

CHMOD(1)

User Commands

CHMOD(1)

NAME

chmod - change file mode bits

## SYNOPSIS

```
chmod [OPTION]... MODE[,MODE]... FILE...  
chmod [OPTION]... OCTAL-MODE FILE...  
chmod [OPTION]... --reference=RFILE FILE...
```

## DESCRIPTION

This manual page documents the GNU version of chmod. chmod changes the file mode bits of each given file according to mode, which can be either a symbolic representation of changes to make, or an octal number representing the bit pattern for the new mode bits.

The format of a symbolic mode is [ugoa...][[-+=][perms...]...], where perms is either zero or more letters from the set rwxXst, or a single letter from the set ugo. Multiple symbolic modes can be given, separated by commas.

A combination of the letters ugoa controls which users' access to the file will be changed: the user who owns it (u), other users in the file's group (g), other users not in the file's group (o), or all users (a). If none of these are given, the effect is as if (a) were given, but bits that are set in the umask are not affected.

The operator + causes the selected file mode bits to be added to the existing file mode bits of each file; - causes them to be removed; and = causes them to be added and causes unmentioned bits to be removed except that a directory's unmentioned set user and group ID bits are not affected.

The letters rwxXst select file mode bits for the affected users: read (r), write (w), execute (or search for directories) (x), execute/search only if the file is a directory or already has execute permission for some user (X), set user or group ID on execution (s), restricted deletion flag or sticky bit (t). Instead of one or more of these letters, you can specify exactly one of the letters ugo: the permissions granted to the user who owns the file (u), the permissions granted to other users who are members of the file's group (g), and the permissions granted to users that are in neither of the two preceding categories (o).

A numeric mode is from one to four octal digits (0-7), derived by adding up the bits with values 4, 2, and 1. Omitted digits are assumed to be leading zeros. The first digit selects the set user ID (4) and set group ID (2) and restricted deletion or sticky (1) attributes. The second digit selects permissions for the user who owns the file: read (4), write (2), and execute (1); the third selects permissions for other users in the file's group, with the same values; and the fourth

for other users not in the file's group, with the same values.

chmod never changes the permissions of symbolic links; the chmod system call cannot change their permissions. This is not a problem since the permissions of symbolic links are never used. However, for each symbolic link listed on the command line, chmod changes the permissions of the pointed-to file. In contrast, chmod ignores symbolic links encountered during recursive directory traversals.

#### SETUID AND SETGID BITS

chmod clears the set-group-ID bit of a regular file if the file's group ID does not match the user's effective group ID or one of the user's supplementary group IDs, unless the user has appropriate privileges. Additional restrictions may cause the set-user-ID and set-group-ID bits of MODE or RFILE to be ignored. This behavior depends on the policy and functionality of the underlying chmod system call. When in doubt, check the underlying system behavior.

chmod preserves a directory's set-user-ID and set-group-ID bits unless you explicitly specify otherwise. You can set or clear the bits with symbolic modes like u+s and g-s, and you can set (but not clear) the bits with a numeric mode.

#### RESTRICTED DELETION FLAG OR STICKY BIT

The restricted deletion flag or sticky bit is a single bit, whose interpretation depends on the file type. For directories, it prevents unprivileged users from removing or renaming a file in the directory unless they own the file or the directory; this is called the restricted deletion flag for the directory, and is commonly found on world-writable directories like /tmp. For regular files on some older systems, the bit saves the program's text image on the swap device so it will load more quickly when run; this is called the sticky bit.

#### OPTIONS

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]+'.

#### AUTHOR

Written by David MacKenzie and Jim Meyering.

#### REPORTING BUGS

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

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#### SEE ALSO

chmod(2)

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

GNU coreutils 8.28

January 2018

CHMOD(1)

[93]: *# I've learned to use commands:  
 # pwd (shows present working directory)  
 # ls, ls-a, ls-l  
 # cd (root directory), cd.., cd./../.. and etc  
 # touch (create new files)  
 # man (manual description of commands)  
 # and i've learned how to use wildcards such as [], \*, ?.*

[94]:

date

Sat Apr 4 00:06:52 UTC 2020

[ ]: