

```
pcade@pcade: ~/workspace
```

```
pcade@pcade:~/workspace$ mv file2 newfile2
pcade@pcade:~/workspace$ ls
file3  file4  newfile2
pcade@pcade:~/workspace$ mv file3 newfile3 && mv file4 newfile4
pcade@pcade:~/workspace$ ls
newfile2  newfile3  newfile4
pcade@pcade:~/workspace$ ln -s newfile2 newfile2_2
pcade@pcade:~/workspace$ ls -la
total 16
drwxrwxr-x 2 pcade pcade 4096 мая 25 17:31 .
drwxr-x--- 8 pcade pcade 4096 мая 21 14:50 ..
-rw-rw-r-- 1 pcade pcade  42 мая 25 17:20 newfile2
lrwxrwxrwx 1 pcade pcade   8 мая 25 17:31 newfile2_2 -> newfile2
lrwxrwxrwx 1 pcade pcade   5 мая 25 17:22 newfile3 -> file1
-rw-rw-r-- 1 pcade pcade  42 мая 25 17:20 newfile4
pcade@pcade:~/workspace$ ls -li
total 8
407406 -rw-rw-r-- 1 pcade pcade 42 мая 25 17:20 newfile2
407408 lrwxrwxrwx 1 pcade pcade  8 мая 25 17:31 newfile2_2 -> newfile2
407407 lrwxrwxrwx 1 pcade pcade  5 мая 25 17:22 newfile3 -> file1
407404 -rw-rw-r-- 1 pcade pcade 42 мая 25 17:20 newfile4
pcade@pcade:~/workspace$ mkdir mydir
pcade@pcade:~/workspace$ mv newfile2_2 mydir
pcade@pcade:~/workspace$ ls
mydir  newfile2  newfile3  newfile4
pcade@pcade:~/workspace$ mv newfile3 mydir
pcade@pcade:~/workspace$ ls -li
total 12
409669 drwxrwxr-x 2 pcade pcade 4096 мая 25 17:34 mydir
407406 -rw-rw-r-- 1 pcade pcade  42 мая 25 17:20 newfile2
407404 -rw-rw-r-- 1 pcade pcade  42 мая 25 17:20 newfile4
pcade@pcade:~/workspace$ ls -il
total 12
409669 drwxrwxr-x 2 pcade pcade 4096 мая 25 17:34 mydir
407406 -rw-rw-r-- 1 pcade pcade  42 мая 25 17:20 newfile2
407404 -rw-rw-r-- 1 pcade pcade  42 мая 25 17:20 newfile4
pcade@pcade:~/workspace$ cd mydir/
pcade@pcade:~/workspace/mydir$ ls -il
total 0
407408 lrwxrwxrwx 1 pcade pcade 8 мая 25 17:31 newfile2_2 -> newfile2
407407 lrwxrwxrwx 1 pcade pcade 5 мая 25 17:22 newfile3 -> file1
pcade@pcade:~/workspace/mydir$
```



pcade@pcade: ~/workspace



```
pcade@pcade:~/workspace$ touch task3_1 task3_2
pcade@pcade:~/workspace$ chmod ug+rw task3_1 && chmod o+r task3_1 && chmod u+rw task3_2
pcade@pcade:~/workspace$ ls -il
total 12
409669 drwxrwxr-x 2 pcade pcade 4096 мая 25 18:01 mydir
407406 -rw-rw-r-- 1 pcade pcade 42 мая 25 18:01 newfile2
407404 -rw-rw-r-- 1 pcade pcade 42 мая 25 18:01 newfile4
407410 -rw-rw-r-- 1 pcade pcade 0 мая 26 10:22 task3_1
407424 -rw-rw-r-- 1 pcade pcade 0 мая 26 10:22 task3_2
pcade@pcade:~/workspace$ chmod 664 task3_1 && chmod 600 task3_2
pcade@pcade:~/workspace$
```



admin@pcade: ~



```
pcade@pcade:~/workspace$ ls -la /home/
```

```
total 12
```

```
drwxr-xr-x  3 root  root  4096 мая 21 14:09 .
```

```
drwxr-xr-x 20 root  root  4096 мая 18 04:45 ..
```

```
drwxr-x---  8 pcade pcade 4096 мая 21 14:50 pcade
```

```
pcade@pcade:~/workspace$ sudo useradd -m -s /bin/bash -c "admin" admin
```

```
[sudo] password for pcade:
```

```
pcade@pcade:~/workspace$ sudo passwd admin
```

```
New password:
```

```
Retype new password:
```

```
passwd: password updated successfully
```

```
pcade@pcade:~/workspace$ sudo usermod -aG sudo admin
```

```
pcade@pcade:~/workspace$ su - admin
```

```
Password:
```

```
To run a command as administrator (user "root"), use "sudo <command>".
```

```
See "man sudo_root" for details.
```

```
admin@pcade:~$
```

```
pcade@pcade:~$ sudo groupadd developer
[sudo] password for pcade:
pcade@pcade:~$ cat /etc/group | grep developer
developer:x:1002:
pcade@pcade:~$ cat /etc/group
root:x:0:
daemon:x:1:
bin:x:2:
sys:x:3:
adm:x:4:syslog,pcade
tty:x:5:
disk:x:6:
lp:x:7:
mail:x:8:
news:x:9:
uucp:x:10:
man:x:12:
proxy:x:13:
kmem:x:15:
dialout:x:20:
fax:x:21:
voice:x:22:
cdrom:x:24:pcade
floppy:x:25:
tape:x:26:
sudo:x:27:pcade,admin
audio:x:29:
dip:x:30:pcade
www-data:x:33:
backup:x:34:
operator:x:37:
list:x:38:
irc:x:39:
src:x:40:
gnats:x:41:
shadow:x:42:
utmp:x:43:
video:x:44:
sasl:x:45:
plugdev:x:46:pcade
staff:x:50:
games:x:60:
users:x:100:
nogroup:x:65534:
systemd-journal:x:101:
systemd-network:x:102:
systemd-resolve:x:103:
messagebus:x:104:
systemd-timesync:x:105:
input:x:106:
sgx:x:107:
kvm:x:108:
render:x:109:
lxd:x:110:pcade
_ssh:x:111:
```

```
pcade@pcade:~$ sudo useradd first_client
pcade@pcade:~$ sudo useradd second_client
pcade@pcade:~$ sudo useradd therd_client
pcade@pcade:~$ sudo usermod -a -G developer first_client
pcade@pcade:~$ sudo usermod -a -G developer second_client
pcade@pcade:~$ sudo usermod -a -G developer therd_client
pcade@pcade:~$ 34B
34B: command not found
pcade@pcade:~$ pwd
/home/pcade
pcade@pcade:~$ cd ..
pcade@pcade:/home$ ls
admin  pcade
pcade@pcade:/home$ sudo mkdir -p share_developer
pcade@pcade:/home$ ls
admin  pcade  share_developer
pcade@pcade:/home$ sudo chg
chgpasswd  chgrp
pcade@pcade:/home$ sudo chgrp -R developer /share_developer
chgrp: cannot access '/share_developer': No such file or directory
pcade@pcade:/home$ sudo chgrp -R developer share_developer
pcade@pcade:/home$ sudo chmod -R 777 share_developer
pcade@pcade:/home$
```



pcade@pcade: /home/share_developer



```
pcade@pcade:/home/share_developer$ sudo mkdir -p work_place
pcade@pcade:/home/share_developer$ chmod 1777 work_place/
chmod: changing permissions of 'work_place/': Operation not permitted
pcade@pcade:/home/share_developer$ chmod 1777 work_place
chmod: changing permissions of 'work_place': Operation not permitted
pcade@pcade:/home/share_developer$ sudo chmod 1777 work_place
pcade@pcade:/home/share_developer$
```



pcade@pcade: /home/share_developer



```
pcade@pcade:/home/share_developer$ sudo chmod 331 task7/
```

```
pcade@pcade:/home/share_developer$ ls -la
```

```
total 16
```

```
drwxrwxrwx 4 root developer 4096 мая 26 16:39 .
```

```
drwxr-xr-x 5 root root      4096 мая 26 16:21 ..
```

```
d-wx-wx--x 2 root root      4096 мая 26 16:40 task7
```

```
drwxrwxrwt 2 root root      4096 мая 26 16:27 work_place
```

```
pcade@pcade:/home/share_developer$ cd
```

```
task7/      work_place/
```

```
pcade@pcade:/home/share_developer$ ls -la /task7
```

```
ls: cannot access '/task7': No such file or directory
```

```
pcade@pcade:/home/share_developer$
```