

Homework 1

11811901

樊顺

1.

```
aries@aries-VirtualBox:~$ mkdir ~/11811901
aries@aries-VirtualBox:~$
```

2.

```
aries@aries-VirtualBox:~$ ls -la ~
total 88
drwxr-xr-x 18 aries aries 4096 2月  2 10:20 .
drwxr-xr-x  3 root  root  4096 1月 20 16:37 ..
drwxrwxr-x  2 aries aries 4096 2月  2 10:20 11811901
-rw-----  1 aries aries   49 1月 20 18:20 .bash_history
-rw-r--r--  1 aries aries  220 1月 20 16:37 .bash_logout
-rw-r--r--  1 aries aries 3771 1月 20 16:37 .bashrc
drwx----- 12 aries aries 4096 1月 20 17:18 .cache
drwx----- 12 aries aries 4096 1月 20 18:20 .config
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Desktop
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Documents
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Downloads
drwx-----  3 aries aries 4096 2月  2 10:16 .gnupg
drwx-----  3 aries aries 4096 1月 20 17:11 .local
drwx-----  5 aries aries 4096 1月 20 17:18 .mozilla
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Music
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Pictures
-rw-r--r--  1 aries aries  807 1月 20 16:37 .profile
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Public
drwxr-xr-x  3 aries aries 4096 1月 20 17:15 snap
drwx-----  2 aries aries 4096 1月 20 17:20 .ssh
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Templates
drwxr-xr-x  2 aries aries 4096 1月 20 17:12 Videos
aries@aries-VirtualBox:~$
```

3.

```
aries@aries-VirtualBox:~$ cd ~/11811901
aries@aries-VirtualBox:~/11811901$
```

4.

```
aries@aries-VirtualBox:~/11811901$ man grep
aries@aries-VirtualBox:~/11811901$
```

recursive searches examine the working directory, and nonrecursive searches read standard input.

In addition, the variant programs **egrep**, **fgrep** and **rgrep** are the same as **grep -E**, **grep -F**, and **grep -r**, respectively. These variants are deprecated, but are provided for backward compatibility.

OPTIONS

Generic Program Information

--help Output a usage message and exit.

-V, --version

Output the version number of **grep** and exit.

Pattern Syntax

-E, --extended-regexp

Interpret PATTERNS as extended regular expressions (EREs, see below).

-F, --fixed-strings

Interpret PATTERNS as fixed strings, not regular expressions.

-G, --basic-regexp

Interpret PATTERNS as basic regular expressions (BREs, see below). This is the default.

-P, --perl-regexp

Interpret PATTERNS as Perl-compatible regular expressions

Manual page grep(1) line 18 (press h for help or q to quit)

5.

```
aries@aries-VirtualBox:~/11811901$ mv ~/11811901 /home
mv: cannot move '/home/aries/11811901' to '/home/11811901': Permission denied
aries@aries-VirtualBox:~/11811901$ sudo mv ~/11811901 /home
[sudo] password for aries:
aries@aries-VirtualBox:~/11811901$ ls /home
11811901  aries
aries@aries-VirtualBox:~/11811901$
```

6.

```
aries@aries-VirtualBox:~/11811901$ rm -r /home/11811901
rm: cannot remove '/home/11811901': Permission denied
aries@aries-VirtualBox:~/11811901$ sudo rm -r /home/11811901
aries@aries-VirtualBox:~/11811901$
```

7.

```
aries@aries-VirtualBox:/home$ cp /etc/apt/sources.list /etc/apt/sources.list.bak
cp: cannot create regular file '/etc/apt/sources.list.bak': Permission denied
aries@aries-VirtualBox:/home$ sudo cp /etc/apt/sources.list /etc/apt/sources.list.bak
aries@aries-VirtualBox:/home$
```

8.

```

aries@aries-VirtualBox:/home$ cat /etc/shells
# /etc/shells: valid login shells
/bin/sh
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
/bin/dash
/usr/bin/dash
aries@aries-VirtualBox:/home$

```

9.

```

aries@aries-VirtualBox:~$ cat /etc/shells | grep bash
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
aries@aries-VirtualBox:~$

```

10.

```

aries@aries-VirtualBox:~$ cat /etc/shells | grep bash
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
aries@aries-VirtualBox:~$ ps
  PID TTY          TIME CMD
 11836 pts/0    00:00:00 bash
 16369 pts/0    00:00:00 ps
aries@aries-VirtualBox:~$

```

```

aries@aries-VirtualBox:~$ ps
  PID TTY          TIME CMD
 16608 pts/1    00:00:00 bash
 16628 pts/1    00:00:00 ps
aries@aries-VirtualBox:~$

```

```

aries@aries-VirtualBox:~$ cat /etc/shells | grep bash
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
aries@aries-VirtualBox:~$ ps
  PID TTY          TIME CMD
 11836 pts/0    00:00:00 bash
 16369 pts/0    00:00:00 ps
aries@aries-VirtualBox:~$

```

```

aries@aries-VirtualBox:~$ ps
  PID TTY          TIME CMD
 16608 pts/1    00:00:00 bash
 16628 pts/1    00:00:00 ps
aries@aries-VirtualBox:~$ kill -9 16608

```

11.

```

aries@aries-VirtualBox:~/11811901/A1$ vi opt.c
aries@aries-VirtualBox:~/11811901/A1$ ls
opt.c
aries@aries-VirtualBox:~/11811901/A1$ cat opt.c
# include

int main(){
    int x = 0;
    x += 1;
    x += 1;
    x += 1;
    printf("%d\n",x);
    return 0;
}

```

```
arles@arles-VirtualBox:~/11811901/A1$ ./opt0
3
arles@arles-VirtualBox:~/11811901/A1$ ./opt1
3
```