

实验报告 1

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```
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop$ ls
'New Folder'
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop$ pwd
/home/wanghaoyu/Desktop
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop$ cd~
Command 'cd~' not found, did you mean:
  command 'cdo' from deb cdo (2.0.4-1)
  command 'cd5' from deb cd5 (0.1-4)
  command 'cdw' from deb cdw (0.8.1-2)
  command 'cdb' from deb tinyfdb (0.78build3)
  command 'cdi' from deb cdo (2.0.4-1)
  command 'cde' from deb cde (0.1+git9-g551e54d-1.2)
  command 'cdp' from deb irpas (0.10-9)
Try: sudo apt install <deb name>
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop$ mkdir B23070314
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop$ cd B23070314
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$ mkdir w
anghaoyu
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$ ls
wanghaoyu
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$ rmdir w
anghaoyu
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$ ls
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$
```

```
Activities Terminal 10月 31 16:16
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ cd~
Command 'cd~' not found, did you mean:
  command 'cdp' from deb irdpas (0.10-9)
  command 'cdo' from deb cdo (2.0.4-1)
  command 'cdi' from deb cdo (2.0.4-1)
  command 'cd5' from deb cd5 (0.1-4)
  command 'cdw' from deb cdw (0.8.1-2)
  command 'cde' from deb cde (0.1+git9-g551e54d-1.2)
  command 'cdb' from deb tinyedb (0.78build3)
  Try: sudo apt install <deb name>
A wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ touch w
anghaoyu.txt
? wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ ls
wanghaoyu.txt
>wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ echo "h
ello world" > wanghaoyu.txt
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ cat wan
ghaoyu.txt
hello world
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ cp wan
ghaoyu.txt wanghaoyu2.txt
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ mv wan
ghaoyu.txt B23070314
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ LS
LS: command not found
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$ ls
B23070314 wanghaoyu2.txt
wanghaoyu@wanghaoyu-virtual-machine: ~/Desktop/B23070314$
```

三

```
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$ whoami
wanghaoyu
wanghaoyu@wanghaoyu-virtual-machine:~/Desktop/B23070314$ sudo su root
[sudo] password for wanghaoyu:
root@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314# group
add student
root@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314# whoam
i
root
root@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314# addus
er b23070314
Adding user `b23070314' ...
Adding new group `b23070314' (1002) ...
Adding new user `b23070314' (1001) with group `b23070314' ...
Creating home directory `/home/b23070314' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for b23070314
Enter the new value, or press ENTER for the default
      Full Name []: b230703144
      Room Number []: 10
      Work Phone []: 1
      Home Phone []: 1
      Other []: 1
Is the information correct? [Y/n] y
root@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314# userm
od -g student b23070314
root@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314# su b2
3070314
b23070314@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314$
```

```
cd~
Command 'cd~' not found, did you mean:
  command 'cdo' from deb cdo (2.0.4-1)
  command 'cdw' from deb cdw (0.8.1-2)
  command 'cde' from deb cde (0.1+git9-g551e54d-1.2)
  command 'cdi' from deb cdo (2.0.4-1)
  command 'cdp' from deb irdas (0.10-9)
  command 'cd5' from deb cd5 (0.1-4)
  command 'cdb' from deb tinycdb (0.78build3)
Try: apt install <deb name>
b23070314@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314$ touch b23070314.txt
touch: cannot touch 'b23070314.txt': Permission denied
b23070314@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314$ b230703144.txt
b230703144.txt: command not found
b23070314@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B23070314$ ls -l
total 8
-rw-rw-r-- 1 wanghaoyu wanghaoyu 12 10月 31 16:14 B23070314
b23070314@wanghaoyu-virtual-machine:/home/wanghaoyu/Desktop/B230
```

四

```
b23070314@wanghaoyu-virtual-machine:~/Desktop$ touch demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls
demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod 777 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-rwxrwxrwx 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod a-x demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-rw-rw-rw- 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod go-w demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-rw-r--r-- 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod g+w demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-rw-rw-r-- 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod a= demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
----- 1 b23070314 student 0 12月 12 10:00 demo

b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod g+w demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-rw-rw-r-- 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod a= demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
----- 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod +t demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-----T 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod u+s demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
---S-----T 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod u+rx demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-r-s-----T 1 b23070314 student 0 12月 12 10:00 demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ chmod g+rws demo
b23070314@wanghaoyu-virtual-machine:~/Desktop$ ls -l demo
-r-srwS--T 1 b23070314 student 0 12月 12 10:00 demo
```

五

```
b23070314@wanghaoyu-virtual-machine:~$ mkdir others
b23070314@wanghaoyu-virtual-machine:~$ ls
Desktop  Downloads  others  Public  Templates
Documents  Music  Pictures  snap  Videos
b23070314@wanghaoyu-virtual-machine:~$ cd others
b23070314@wanghaoyu-virtual-machine:~/others$ touch file1.txt
b23070314@wanghaoyu-virtual-machine:~/others$ touch file2.txt
b23070314@wanghaoyu-virtual-machine:~/others$ ls
file1.txt  file2.txt
b23070314@wanghaoyu-virtual-machine:~/others$ tar -czvf backup.tar.gz others
tar: others: Cannot stat: No such file or directory
tar: Exiting with failure status due to previous errors
b23070314@wanghaoyu-virtual-machine:~/others$ cd ..
b23070314@wanghaoyu-virtual-machine:~$ tar -czvf backup.tar.gz others
others/
others/file1.txt
others/file2.txt

others/backup.tar.gz
b23070314@wanghaoyu-virtual-machine:~$ ls -l
total 44
-rw-r--r-- 1 b23070314 student 258 12月 12 10:14 backup.tar.gz
drwxr-xr-x 2 b23070314 student 4096 12月 12 10:00 Desktop
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Documents
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Downloads
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Music
drwxr-xr-x 2 b23070314 student 4096 12月 12 10:13 others
drwxr-xr-x 3 b23070314 student 4096 12月 12 10:04 Pictures
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Public
drwx----- 3 b23070314 student 4096 11月 9 20:41 snap
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Templates
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Videos
b23070314@wanghaoyu-virtual-machine:~$ tar -xzvf backup.tar.gz
others/
others/file1.txt
others/file2.txt
others/backup.tar.qz
```

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otherS, backup.tar.gz  
b23070314@wanghaoyu-virtual-machine:~$ ls -l  
total 44  
-rw-r--r-- 1 b23070314 student 258 12月 12 10:14 backup.tar.gz  
drwxr-xr-x 2 b23070314 student 4096 12月 12 10:00 Desktop  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Documents  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Downloads  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Music  
drwxr-xr-x 2 b23070314 student 4096 12月 12 10:13 others  
drwxr-xr-x 3 b23070314 student 4096 12月 12 10:04 Pictures  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Public  
drwx----- 3 b23070314 student 4096 11月 9 20:41 snap  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Templates  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Videos  
b23070314@wanghaoyu-virtual-machine:~$
```

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Activities Terminal 12月 12 10:38  
b23070314@wanghaoyu-virtual-machine:~/others  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Public  
drwx----- 3 b23070314 student 4096 11月 9 20:41 snap  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Templates  
drwxr-xr-x 2 b23070314 student 4096 11月 9 20:41 Videos  
b23070314@wanghaoyu-virtual-machine:~$ cd others  
b23070314@wanghaoyu-virtual-machine:~/others$ cat file1  
cat: file1: No such file or directory  
b23070314@wanghaoyu-virtual-machine:~/others$ cat > file1.txt  
b23070314@wanghaoyu-virtual-machine:~/others$ cat > file1.txt  
no, I study in njupt.  
this line ends with 00  
this line ends with .00  
I am 25 years old.  
He is 15. It is 16.00  
wy is the short of my name.b23070314@wanghaoyu-virtual-machine:~/others$ grep '^n' file1  
grep: file1: No such file or directory  
b23070314@wanghaoyu-virtual-machine:~/others$ grep '^n' file1.txt  
no, I study in njupt.  
b23070314@wanghaoyu-virtual-machine:~/others$ grep '\.00$' file.txt  
grep: file.txt: No such file or directory  
b23070314@wanghaoyu-virtual-machine:~/others$ grep '\.00$' file1.txt  
this line ends with .00  
He is 15. It is 16.00  
b23070314@wanghaoyu-virtual-machine:~/others$ grep '$\..' file1.txt  
b23070314@wanghaoyu-virtual-machine:~/others$ grep '^wy]' file1.txt  
wy is the short of my name.  
b23070314@wanghaoyu-virtual-machine:~/others$
```