

## 1 Directory Operation

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```
hcx@shenhen:~/Desktop$ cd
hcx@shenhen:~$ ls
B22040521 Desktop Documents Downloads Music Pictures Public snap Templates Videos
hcx@shenhen:~$ cd B22040521/
hcx@shenhen:~/B22040521$ mkdir 黄传迅
hcx@shenhen:~/B22040521$ ls
黄传迅
hcx@shenhen:~/B22040521$ rmdir 黄传迅
hcx@shenhen:~/B22040521$ ls
hcx@shenhen:~/B22040521$
```

## (2) File operation

```
hcx@shenhen:~/Desktop$ cd
hcx@shenhen:~$ ls
B22040521 Desktop Documents Downloads Music Pictures Public snap Templates Videos
hcx@shenhen:~$ cd B22040521/
hcx@shenhen:~/B22040521$ mkdir 黄传迅
hcx@shenhen:~/B22040521$ ls
黄传迅
hcx@shenhen:~/B22040521$ rmdir 黄传迅
hcx@shenhen:~/B22040521$ ls
hcx@shenhen:~/B22040521$ touch 黄传迅.txt
hcx@shenhen:~/B22040521$ ls
黄传迅.txt
hcx@shenhen:~/B22040521$ echo "hello world" > 黄传迅.txt
hcx@shenhen:~/B22040521$ cat 黄传迅.txt
hello world
hcx@shenhen:~/B22040521$ cp 黄传迅.txt 黄传迅2.txt
hcx@shenhen:~/B22040521$ mv 黄传迅.txt B22040521.txt
hcx@shenhen:~/B22040521$ ls
B22040521.txt 黄传迅2.txt
hcx@shenhen:~/B22040521$
```

### (3)User Management

```
Adding user `b22040521' ...
Adding new group `b22040521' (1002) ...
Adding new user `b22040521' (1001) with group `b22040521' ...
Creating home directory `/home/b22040521' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
Sorry, passwords do not match.
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
passwd: password updated successfully
Changing the user information for b22040521
Enter the new value, or press ENTER for the default
    Full Name []:
    Room Number []:
    Work Phone []:
    Home Phone []:
    Other []:
Is the information correct? [Y/n] y
root@shenhen:/home/hcx/B22040521# usermod -g student b22040521
root@shenhen:/home/hcx/B22040521# su
```

#### (4) Permission management

```
b22040521@shenhen:~$ chmod 777 demo
b22040521@shenhen:~$ ls -l
total 0
-rwxrwxrwx 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ chmod a-x demo
b22040521@shenhen:~$ ls -l
total 0
-rw-rw-rw- 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ chmod go-w demo
b22040521@shenhen:~$ ls -l
total 0
-rw-r--r-- 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ chmod g+w demo
b22040521@shenhen:~$ ls -l
total 0
-rw-rw-r-- 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$
```

```

b22040521@shenhen:~$ chmod a= demo
b22040521@shenhen:~$ ls -l
total 0
----- 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ chmod +t demo
b22040521@shenhen:~$ ls -l
total 0
-----T 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ chmod u+s demo
b22040521@shenhen:~$ ls -l
total 0
--S-----T 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ chmod u+rx demo
b22040521@shenhen:~$ ls -l
total 0
-r-s-----T 1 b22040521 student 0 10月 14 10:15 demo
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ █

```

```

b22040521@shenhen:~$ cd
b22040521@shenhen:~$ ls
backup.tar.gz demo 黄传迅.txt
b22040521@shenhen:~$ mkdir others
b22040521@shenhen:~$ ls
backup.tar.gz demo others 黄传迅.txt
b22040521@shenhen:~$ tar -czvf backup.tar.gz others
others/
b22040521@shenhen:~$ ls -l
total 8
-rw-r--r-- 1 b22040521 student 121 10月 14 10:22 backup.tar.gz
-r-srwS--T 1 b22040521 student 0 10月 14 10:15 demo
drwxr-xr-x 2 b22040521 student 4096 10月 14 10:22 others
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$ tar -xzvf backup.tar.gz
others/
b22040521@shenhen:~$ ls -l
total 8
-rw-r--r-- 1 b22040521 student 121 10月 14 10:22 backup.tar.gz
-r-srwS--T 1 b22040521 student 0 10月 14 10:15 demo
drwxr-xr-x 2 b22040521 student 4096 10月 14 10:22 others
-rw-r--r-- 1 b22040521 student 0 10月 14 10:14 黄传迅.txt
b22040521@shenhen:~$

```