

(1) Directory Operation

```
yjt@ssy-laptop:~/B22040811$ cd ~
yjt@ssy-laptop:~$ ls
B22040811 test 模板
yjt@ssy-laptop:~$ rm -r B22040811/
yjt@ssy-laptop:~$ pwd
/home/yjt
yjt@ssy-laptop:~$ cd ~
yjt@ssy-laptop:~$ mkdir B22040811
yjt@ssy-laptop:~$ cd B22040811/
yjt@ssy-laptop:~/B22040811$ mkdir 杨劲涛
yjt@ssy-laptop:~/B22040811$ ls
杨劲涛
yjt@ssy-laptop:~/B22040811$ rm 杨劲涛/
rm: cannot remove '杨劲涛/': Is a directory
yjt@ssy-laptop:~/B22040811$ rmdir 杨劲涛
yjt@ssy-laptop:~/B22040811$ ls
yjt@ssy-laptop:~/B22040811$
```

(2) File operation

```
yjt@ssy-laptop:~$ touch 杨劲涛.txt
yjt@ssy-laptop:~$ ls
B22040811 test 杨劲涛.txt 模板
yjt@ssy-laptop:~$ echo "hello world">杨劲涛.txt
yjt@ssy-laptop:~$ cat 杨劲涛.txt
hello world
yjt@ssy-laptop:~$ cp 杨劲涛.txt 杨劲涛2.txt
yjt@ssy-laptop:~$ mv 杨劲涛.txt B22040811.txt
yjt@ssy-laptop:~$ ls
B22040811 B22040811.txt test 杨劲涛2.txt 模板
yjt@ssy-laptop:~$
```

(3) User Management

```

yjt@ssy-laptop:~$ whoami
yjt
yjt@ssy-laptop:~$ sudo su root
root@ssy-laptop:/home/yjt# groupadd student
root@ssy-laptop:/home/yjt# whoami
root
root@ssy-laptop:/home/yjt# adduser B22040811
adduser: Please enter a username matching the regular expression configured
via the NAME_REGEX[_SYSTEM] configuration variable. Use the '--force-badname'
option to relax this check or reconfigure NAME_REGEX.
root@ssy-laptop:/home/yjt# adduser B22040811 --force-badname
Allowing use of questionable username.
Adding user `B22040811' ...
Adding new group `B22040811' (1003) ...
Adding new user `B22040811' (1002) with group `B22040811' ...
Creating home directory `/home/B22040811' ...
Copying files from `/etc/skel' ...
New password:
Retype new password:
passwd: password updated successfully
Changing the user information for B22040811
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@ssy-laptop:/home/yjt# usermod -g student B22040811
root@ssy-laptop:/home/yjt# su B22040811
B22040811@ssy-laptop:/home/yjt$ cd
B22040811@ssy-laptop:~$ touch 杨劲涛.txt
B22040811@ssy-laptop:~$ ls -l
total 4
-rw-r--r-- 1 B22040811 student 0 Oct 14 10:05 杨劲涛.txt
drwxr-xr-x 2 B22040811 student 4096 Oct 14 10:04 模板
B22040811@ssy-laptop:~$

```

(3) User Management

Enter the following commands in sequence:

Enter the password of the current logged-in user, not:

Follow the prompts to create the user and add the user:

Switch to the user.

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(4) Permission management

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(4) Permission management

```

yjt@ssy-laptop:~$ touch demo
yjt@ssy-laptop:~$ chmod 777 demo
yjt@ssy-laptop:~$ ll demo
-rwxrwxrwx 1 yjt yjt 0 Oct 14 10:08 demo*
yjt@ssy-laptop:~$ chmod a-x demo
yjt@ssy-laptop:~$ ll demo
-rw-rw-rw- 1 yjt yjt 0 Oct 14 10:08 demo
yjt@ssy-laptop:~$ chmod go-w demo
yjt@ssy-laptop:~$ ll demo
-rw-r--r-- 1 yjt yjt 0 Oct 14 10:08 demo
yjt@ssy-laptop:~$ chmod g+w demo
yjt@ssy-laptop:~$ ll demo
-rw-rw-r-- 1 yjt yjt 0 Oct 14 10:08 demo
yjt@ssy-laptop:~$ chmod a= demo
yjt@ssy-laptop:~$ ll demo
-----T 1 yjt yjt 0 Oct 14 10:08 demo
yjt@ssy-laptop:~$ chmod +t demo
yjt@ssy-laptop:~$ ll demo
-----T 1 yjt yjt 0 Oct 14 10:08 demo
yjt@ssy-laptop:~$ chmod u+s demo
yjt@ssy-laptop:~$ ll demo
---S-----T 1 yjt yjt 0 Oct 14 10:08 demo
yjt@ssy-laptop:~$ chmod u+rx demo
yjt@ssy-laptop:~$ ll demo
-r-s-----T 1 yjt yjt 0 Oct 14 10:08 demo*
yjt@ssy-laptop:~$ chmod g+rws demo
yjt@ssy-laptop:~$ ll demo
-r-srwS--T 1 yjt yjt 0 Oct 14 10:08 demo*
yjt@ssy-laptop:~$

```

(5) Other management

```

yjt@ssy-laptop:~/others$
yjt@ssy-laptop:~/others$
yjt@ssy-laptop:~/others$ tar -czvf backup.tar.gz test0 test1
test0
test1
yjt@ssy-laptop:~/others$ ll
total 12
drwxrwxr-x 2 yjt yjt 4096 Oct 14 10:13 ./
drwxrwxr-x 6 yjt yjt 4096 Oct 14 10:13 ../
-rw-rw-r-- 1 yjt yjt 127 Oct 14 10:14 backup.tar.gz
-rw-rw-r-- 1 yjt yjt 0 Oct 14 10:12 test0
-rw-rw-r-- 1 yjt yjt 0 Oct 14 10:12 test1
yjt@ssy-laptop:~/others$ tar -xzvf backup.tar.gz
test0
test1
yjt@ssy-laptop:~/others$ ll
total 12
drwxrwxr-x 2 yjt yjt 4096 Oct 14 10:14 ./
drwxrwxr-x 6 yjt yjt 4096 Oct 14 10:13 ../
-rw-rw-r-- 1 yjt yjt 127 Oct 14 10:14 backup.tar.gz
-rw-rw-r-- 1 yjt yjt 0 Oct 14 10:12 test0
-rw-rw-r-- 1 yjt yjt 0 Oct 14 10:12 test1
yjt@ssy-laptop:~/others$

```