

Directory Operation

```
john@john-VirtualBox: ~/B22130123
john@john-VirtualBox:~/桌面$ pwd
/home/john/桌面
john@john-VirtualBox:~/桌面$ cd ~
john@john-VirtualBox:~$ mkdir B22130123
john@john-VirtualBox:~$ cd B22130123/
john@john-VirtualBox:~/B22130123$ ls
john@john-VirtualBox:~/B22130123$ mkdir zyb
john@john-VirtualBox:~/B22130123$ ls
zyb
john@john-VirtualBox:~/B22130123$ redir zyb
找不到命令“redir”，但可以通过以下软件包安装它：
sudo apt install redir
john@john-VirtualBox:~/B22130123$ rmdir zyb
john@john-VirtualBox:~/B22130123$ ls
john@john-VirtualBox:~/B22130123$
```

File operation

```
john@john-VirtualBox: ~
john@john-VirtualBox:~/B22130123$ cd ~
john@john-VirtualBox:~$ touch 张研博.txt
john@john-VirtualBox:~$ ls
11111111111111111111.gpr  724.rep  公共的  图片  音乐  B22130123  share
11111111111111111111.rep  8.gpr   模板   文档  张研博.txt  bomb.gpr  snap
724.gpr                   8.rep   视频   下载  桌面      bomb.rep

john@john-VirtualBox:~$ echo "hello world" > 张研博.txt
john@john-VirtualBox:~$ cat 张研博.txt
hello world
john@john-VirtualBox:~$ cp 张研博.txt 张研博2.txt
john@john-VirtualBox:~$ mv 张研博.txt B22130123.txt
john@john-VirtualBox:~$ ls
11111111111111111111.gpr  8.gpr   视频  音乐  B22130123.txt  snap
11111111111111111111.rep  8.rep   图片  张研博2.txt  bomb.gpr
724.gpr                   公共的  文档  桌面      bomb.rep
724.rep                   模板   下载  B22130123  share
john@john-VirtualBox:~$
```

User Management

```
root@john-VirtualBox:/home/john/桌面# usermod -g student B22130123
root@john-VirtualBox:/home/john/桌面# su B22130123
B22130123@john-VirtualBox:/home/john/桌面$ cd ~
B22130123@john-VirtualBox:~$ touch 张研博.txt
B22130123@john-VirtualBox:~$ ls -l
总计 0
-rw-r--r-- 1 B22130123 student 0 नवंबर 11 07:43 张研博.txt
```

Permission management

```
B22130123@john-VirtualBox:~$ chmod 777 demo
B22130123@john-VirtualBox:~$ chmod a-x demo
B22130123@john-VirtualBox:~$ chmod go-w demo
B22130123@john-VirtualBox:~$ chmod g+w demo
B22130123@john-VirtualBox:~$ chmod a= demo
B22130123@john-VirtualBox:~$ chmod +t demo
B22130123@john-VirtualBox:~$ chmod u+s demo
B22130123@john-VirtualBox:~$ chmod u+rx demo
B22130123@john-VirtualBox:~$ chmod g+rws demo
B22130123@john-VirtualBox:~$ ls -l
总计 0
-rw-r--r-- 1 B22130123 student 0 नवंबर 11 07:43 张研博.txt
-r-srws--T 1 B22130123 student 0 नवंबर 11 07:44 demo
```

```
B22130123@john-VirtualBox: ~  
B22130123@john-VirtualBox:~/others$ cd ../  
B22130123@john-VirtualBox:~$ tar -czvf backup.tar.gz others  
others/  
others/file2.txt  
others/backup.tar.gz  
others/file1.txt  
B22130123@john-VirtualBox:~$ ls -l  
总计 8  
-rw-r--r-- 1 B22130123 student 0 नवंबर 11 07:43 张研博.txt  
-rw-r--r-- 1 B22130123 student 255 नवंबर 11 07:56 backup.tar.gz  
-r-srws--T 1 B22130123 student 0 नवंबर 11 07:44 demo  
drwxr-xr-x 2 B22130123 student 4096 नवंबर 11 07:54 others  
B22130123@john-VirtualBox:~$ tar -xzvf backup.tar.gz  
others/  
others/file2.txt  
others/backup.tar.gz  
others/file1.txt  
B22130123@john-VirtualBox:~$ ls -l  
总计 8  
-rw-r--r-- 1 B22130123 student 0 नवंबर 11 07:43 张研博.txt  
-rw-r--r-- 1 B22130123 student 255 नवंबर 11 07:56 backup.tar.gz  
-r-srws--T 1 B22130123 student 0 नवंबर 11 07:44 demo  
drwxr-xr-x 2 B22130123 student 4096 नवंबर 11 07:54 others  
B22130123@john-VirtualBox:~$
```

```
B22130123@john-VirtualBox:~$ touch file.txt
B22130123@john-VirtualBox:~$ vim file.txt
B22130123@john-VirtualBox:~$ grep '^n' file.txt
no, I study in njupt.
B22130123@john-VirtualBox:~$ grep '\.00$' file.txt
this line ends with .00
He is 15. It is 16.00
B22130123@john-VirtualBox:~$ grep '5\.. ' file.txt
He is 15. It is 16.00
B22130123@john-VirtualBox:~$ grep '^[wy]' file.txt
my is the short of my name.
B22130123@john-VirtualBox:~$
```