

3EY4 Lab 1

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Step 1-4:

```
Loading...

Welcome to Fedora 33 (riscv64)

[root@localhost ~]# )
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# mkdir home_wangz393
[root@localhost ~]# ls
bench.py  hello.c  home_wangz393
[root@localhost ~]# cd home_wangz393/
[root@localhost home_wangz393]# ls
[root@localhost home_wangz393]# mkdir wangz393_folder1
[root@localhost home_wangz393]# mkdir wangz393_folder2
[root@localhost home_wangz393]# mkdir wangz393_folder3
[root@localhost home_wangz393]# mkdir wangz393_backup
[root@localhost home_wangz393]# ls
wangz393_backup  wangz393_folder1  wangz393_folder2  wangz393_folder3
[root@localhost home_wangz393]#
```



Step 6-8:

```
[root@localhost ~]#  
[root@localhost ~]# cat MyFamily.txt  
Jane  
Alex  
Emily  
Brad  
Paul  
  
[root@localhost ~]# cat MyCalendar.txt  
October  
June  
February  
July  
March  
September  
April  
August  
May  
  
[root@localhost ~]# cat MyDailySteps.txt  
10000  
600  
15000  
900  
750  
[root@localhost ~]#
```



//

```
750  
[root@localhost ~]# cat MyToDoList.txt  
I clean my room in the morning  
I eat eggs for breakfast  
I finish my two assignments in the evening  
I go to the gym later in the evening  
  
[root@localhost ~]#
```



//

```
[root@localhost ~]#  
[root@localhost ~]# ls  
bench.py  home_wangz393  MyDailySteps.txt  MyToDoList.txt  
hello.c   MyCalendar.txt  MyFamily.txt  
[root@localhost ~]#
```



//

Step 9-11:

```
[root@localhost ~]# cd home_wangz393/wangz393_backup/
[root@localhost wangz393_backup]# python
Python 3.9.0 (default, Nov 26 2020, 00:00:00)
[GCC 10.2.1 20201016 (Red Hat 10.2.1-6)] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()
[root@localhost wangz393_backup]# touch addition.py
[root@localhost wangz393_backup]# touch MyInfo.py
[root@localhost wangz393_backup]# ls
addition.py  MyInfo.py
```

```
[root@localhost wangz393_backup]#
[root@localhost wangz393_backup]# python addition.py
Enter a number:3
Enter second number:4
7
[root@localhost wangz393_backup]# python MyInfo.py
Hi, my name is Zhaobo Wang
I am in my third year of Electrical Engineering
My student name is 400188525
My MacID is wangz393
[root@localhost wangz393_backup]# ls
addition.py  MyInfo.py
[root@localhost wangz393_backup]#
```

Addition.py Script

```
GNU nano 5.3                                addition.py
number1 = int(input("Enter a number:"))
number2 = int(input("Enter second number:"))
print(number1 + number2)
```

MyInfo.py Script

```
GNU nano 5.3                               MyInfo.py
print("Hi, my name is Zhaobo Wang")
print("I am in my third year of Electrical Engineering")
print("My student name is 400188525")
print("My MacID is wangz393")
```

Step 12-17:

```
[root@localhost wangz393_backup]# cd ../
[root@localhost home_wangz393]# ls
wangz393_backup  wangz393_folder1  wangz393_folder2
[root@localhost home_wangz393]# mv wangz393_folder1 wangz393_textfiles
[root@localhost home_wangz393]# ls
wangz393_backup  wangz393_folder2  wangz393_textfiles
```

```

[root@localhost ~]# ls
bench.py  home_wangz393  MyDailySteps.txt  MyToDoList.txt
hello.c  MyCalendar.txt  MyFamily.txt
[root@localhost ~]# mv MyDailyStep.txt ~/home_wangz393/wangz393_textfiles
mv: cannot stat 'MyDailyStep.txt': No such file or directory
[root@localhost ~]# mv MyDailySteps.txt ~/home_wangz393/wangz393_textfiles
[root@localhost ~]# mv MyToDoList.txt ~/home_wangz393/wangz393_textfiles
[root@localhost ~]# mv MyCalendar.txt ~/home_wangz393/wangz393_textfiles
[root@localhost ~]# mv MyFamily.txt ~/home_wangz393/wangz393_textfiles
[root@localhost ~]# cd home_wangz393/wangz393_backup/
[root@localhost wangz393_backup]# ls
addition.py  MyInfo.py
[root@localhost wangz393_backup]# mv addition.py addition_2#s.py
[root@localhost wangz393_backup]# ls
addition_2#s.py  MyInfo.py
[root@localhost wangz393_backup]# cd ../
[root@localhost home_wangz393]# mv wangz393_folder2 wangz393_pythonfiles
[root@localhost home_wangz393]# ls
wangz393_backup  wangz393_pythonfiles  wangz393_textfiles
[root@localhost home_wangz393]# mv wangz393_backup/addition_2#s.py wangz393_pyth
onfiles/
[root@localhost home_wangz393]# mv wangz393_backup/MyInfo.py wangz393_pythonfile
s/
[root@localhost home_wangz393]# ls
wangz393_backup  wangz393_pythonfiles  wangz393_textfiles
[root@localhost home_wangz393]# cd wangz393_pythonfiles/
[root@localhost wangz393_pythonfiles]# ls
addition_2#s.py  MyInfo.py
[root@localhost wangz393_pythonfiles]#

```



Step 18--22:

```

[root@localhost home_wangz393]# cd wangz393_pythonfiles/
[root@localhost wangz393_pythonfiles]# ls
addition_2#s.py  MyInfo.py
[root@localhost wangz393_pythonfiles]# cd ../wangz393_backup/
[root@localhost wangz393_backup]# touch Firstname_Lastname
[root@localhost wangz393_backup]# touch wangz393_File1
[root@localhost wangz393_backup]# touch wangz393_File2
[root@localhost wangz393_backup]# touch zhaobo_wang
[root@localhost wangz393_backup]# cp wangz393_File2 zhaobo_wang
[root@localhost wangz393_backup]# cp zhaobo_wang ~/home_wangz393
[root@localhost wangz393_backup]# cp wangz393_File1 ~/home_wangz393
[root@localhost wangz393_backup]# cd ../
[root@localhost home_wangz393]# rm wangz393_backup
rm: cannot remove 'wangz393_backup': Is a directory
[root@localhost home_wangz393]# rmdir wangz393_backup

[root@localhost home_wangz393]# rm -r wangz393_backup
[root@localhost home_wangz393]# ls
wangz393_File1  wangz393_pythonfiles  wangz393_textfiles  zhaobo_wang

```

Step 23-27:

```
[root@localhost wangz393_textfiles]# sort -M MyCalendar.txt
```

```
February  
March  
April  
May  
June  
July  
August  
September  
October
```

```
[root@localhost wangz393_textfiles]# sort -r MyFamily.txt
```

```
Paul  
Jane  
Emily  
Brad  
Alex
```

```
[root@localhost wangz393_textfiles]# sort MyFamily.txt>MyFamily_alphOrder.txt
```

```
[root@localhost wangz393_textfiles]# cat MyFamily_alphOrder.txt
```

```
Alex  
Brad  
Emily  
Jane  
Paul
```

```
[root@localhost wangz393_textfiles]# rm MyFamily.txt
```

```
[root@localhost wangz393_textfiles]# sort -n MyDailySteps.txt
```

```
600  
750  
900  
10000  
15000
```

Step 28-32:

```

[root@localhost wangz393_textfiles]# cd ~
[root@localhost ~]# ls
bench.py  hello.c  home_wangz393
[root@localhost ~]# cd home_wangz393
[root@localhost home_wangz393]# ls
wangz393_File1  wangz393_pythonfiles  wangz393_textfiles  zhaobo_wang
[root@localhost home_wangz393]# cd wangz393_textfiles/
[root@localhost wangz393_textfiles]# ls
MyCalendar.txt  MyFamily_alphaOrder.txt  MyToDoList.txt
MyDailySteps.txt  MyFamily_alphOrder.txt
[root@localhost wangz393_textfiles]# cd ../wangz393_pythonfiles/
[root@localhost wangz393_pythonfiles]# ls
addition_2#s.py  MyInfo.py
[root@localhost wangz393_pythonfiles]# █

```

```

[root@localhost wangz393_textfiles]#
[root@localhost wangz393_textfiles]#
[root@localhost wangz393_textfiles]# grep -r Alex ~
/root/home_wangz393/wangz393_textfiles/MyFamily_alphaOrder.txt:Alex
[root@localhost wangz393_textfiles]# grep -r my ~
/root/home_wangz393/wangz393_textfiles/MyToDoList.txt:I clean my room in the morning
/root/home_wangz393/wangz393_textfiles/MyToDoList.txt:I finish my two assignments in the evening
/root/home_wangz393/wangz393_pythonfiles/MyInfo.py:print("Hi, my name is Zhaobo Wang")
/root/home_wangz393/wangz393_pythonfiles/MyInfo.py:print("I am in my third year of Electrical Engineering")
[root@localhost wangz393_textfiles]# grep -r evening ~
/root/home_wangz393/wangz393_textfiles/MyToDoList.txt:I finish my two assignments in the evening
/root/home_wangz393/wangz393_textfiles/MyToDoList.txt:I go to the gym later in the evening
[root@localhost wangz393_textfiles]# █

```

Alex: 1 my: 4 evening: 2