Assignment 0: Practice for Shell commands.

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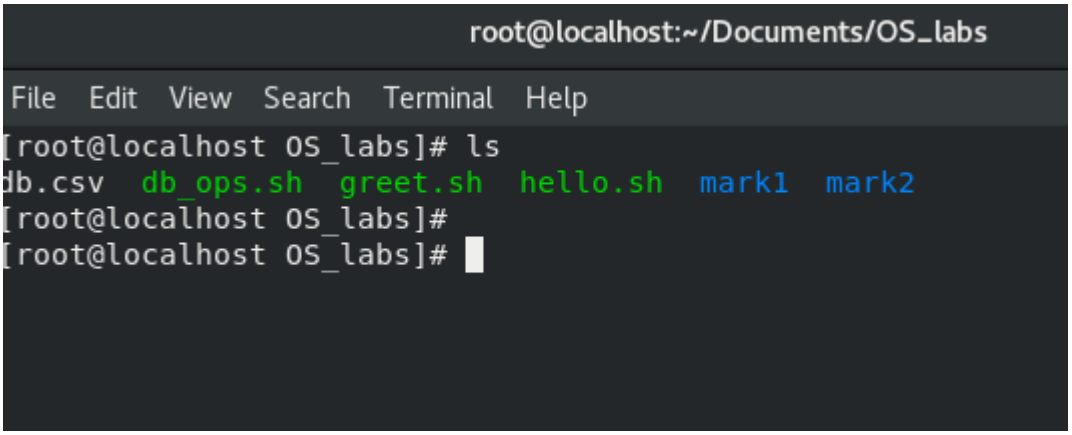
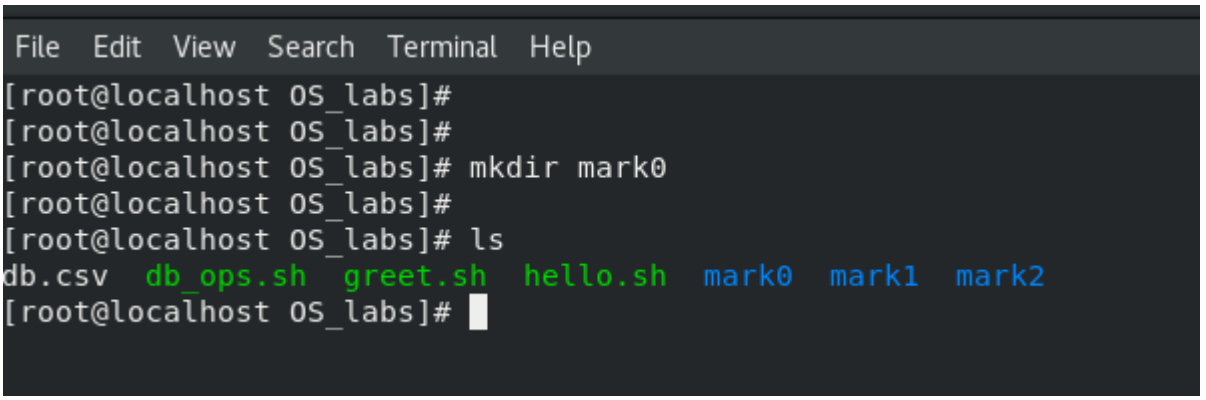
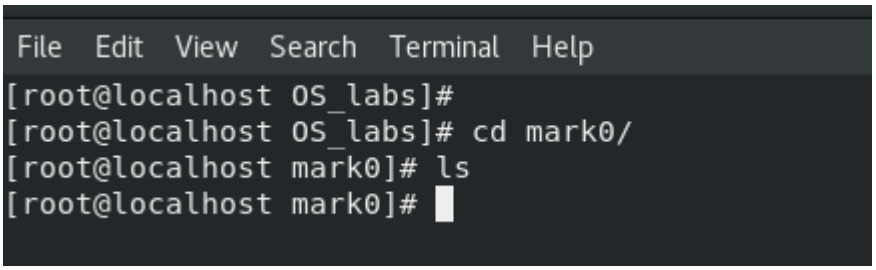
1. **ls command : To least down the items in the folder**



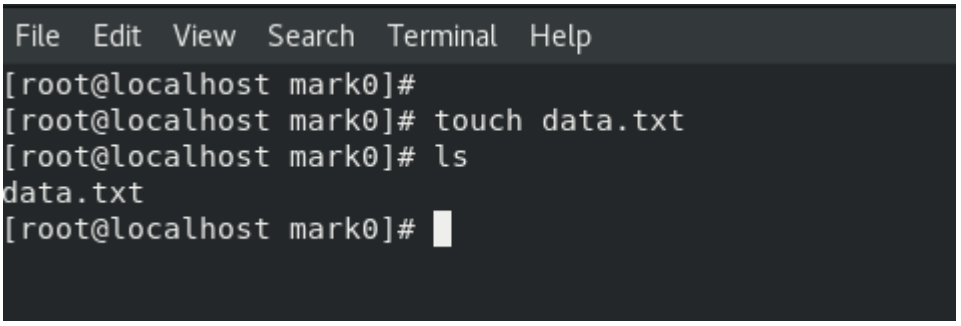
2. **mkdir : Create Folder / Directory**



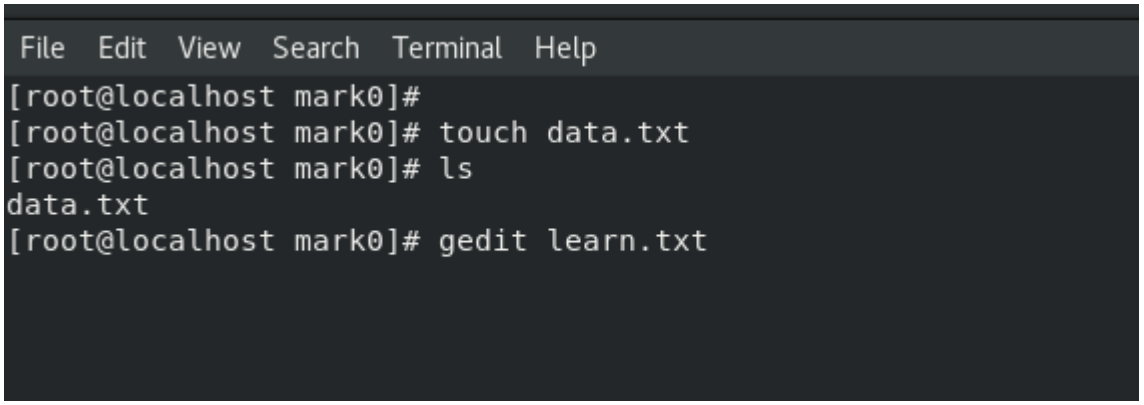
3. **cd : Change Directory**



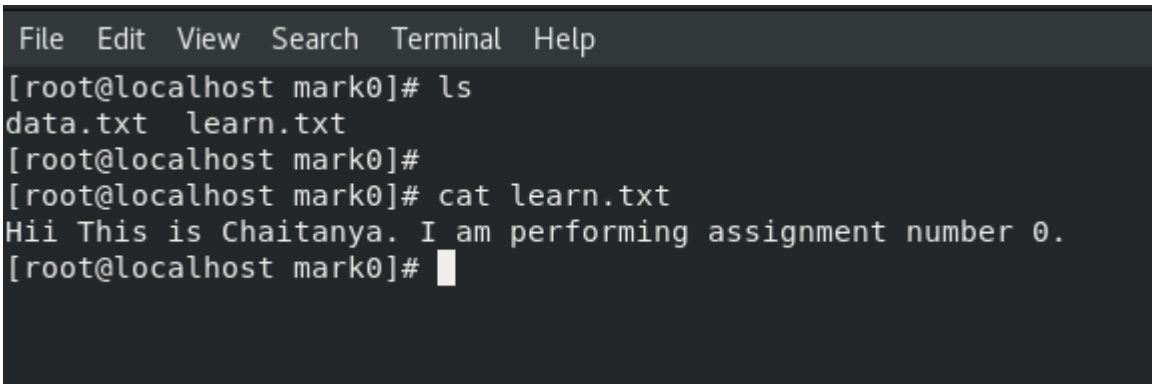
4. **Create Empty file**



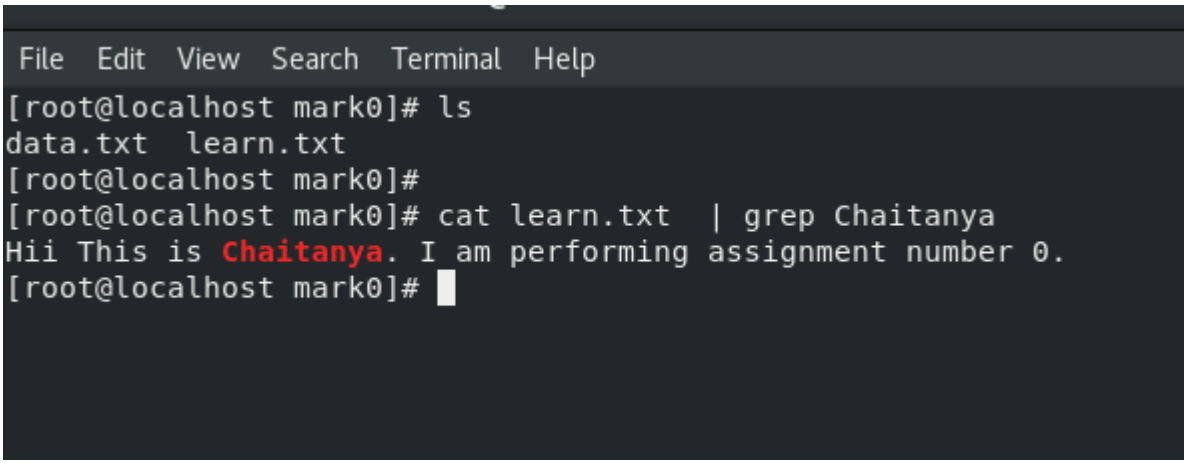
5. **Create file using gedit text editor and add some text.**



6. **View content of that file using cat command.**



7. **Search some word from that file using grep command.**



8. **Append some record to the same file**

```
File  Edit  View  Search  Terminal  Help
[root@localhost mark0]# ls
data.txt  learn.txt
[root@localhost mark0]#
[root@localhost mark0]# echo "Hello World " >> learn.txt
[root@localhost mark0]# cat learn.txt
Hii This is Chaitanya. I am performing assignment number 0.
Hello World
[root@localhost mark0]#
```

9. Override some text to the file.

```
File  Edit  View  Search  Terminal  Help
[root@localhost mark0]# cat learn.txt
Hii This is Chaitanya. I am performing assignment number 0.
Hello World
[root@localhost mark0]#
[root@localhost mark0]# echo "previous data will get vanishes if we use single a
ngle bracket" > learn.txt
[root@localhost mark0]#
[root@localhost mark0]#
[root@localhost mark0]# cat learn.txt
previous data will get vanishes if we use single angle bracket
[root@localhost mark0]#
```

10. Copy file into some other location

```
File  Edit  View  Search  Terminal  Help
[root@localhost mark0]# ls
data.txt  learn.txt
[root@localhost mark0]#
[root@localhost mark0]# cp learn.txt learn2.txt
[root@localhost mark0]# ls
data.txt  learn2.txt  learn.txt
[root@localhost mark0]#
[root@localhost mark0]# cat learn2.txt
previous data will get vanishes if we use single angle bracket
[root@localhost mark0]#
```

11. Rename file / move file.

```
File  Edit  View  Search  Terminal  Help
[root@localhost mark0]# ls
data.txt  learn2.txt  learn.txt
[root@localhost mark0]#
[root@localhost mark0]# mv learn.txt learn-55.txt
[root@localhost mark0]# ls
data.txt  learn2.txt  learn-55.txt
[root@localhost mark0]# cat learn-55.txt
previous data will get vanishes if we use single angle bracket
[root@localhost mark0]#
```

12. Remove file

```
File  Edit  View  Search  Terminal  Help
[root@localhost mark0]# ls
data.txt  learn2.txt  learn-55.txt
[root@localhost mark0]#
[root@localhost mark0]# rm data.txt
rm: remove regular empty file 'data.txt'? y
[root@localhost mark0]#
```

13. Delete multiple (all) files:

```
[root@localhost mark0]# ls
learn2.txt  learn-55.txt
[root@localhost mark0]#
[root@localhost mark0]# rm * -f
[root@localhost mark0]# ls
[root@localhost mark0]#
```

14. Delete directory

```
File  Edit  View  Search  Terminal  Help
[root@localhost OS_labs]# ls
db.csv  db_ops.sh  greet.sh  hello.sh  mark0  mark1  mark2
[root@localhost OS_labs]#
[root@localhost OS_labs]# rm -rf mark0
[root@localhost OS_labs]# ls
db.csv  db_ops.sh  greet.sh  hello.sh  mark1  mark2
[root@localhost OS_labs]#
```

15. Create multiple files at the same time

```
[root@localhost mark0]# touch a{1..20}.txt
[root@localhost mark0]# ls
a10.txt  a13.txt  a16.txt  a19.txt  a2.txt  a5.
a11.txt  a14.txt  a17.txt  a1.txt   a3.txt  a6.
a12.txt  a15.txt  a18.txt  a20.txt  a4.txt  a7.
[root@localhost mark0]#
```

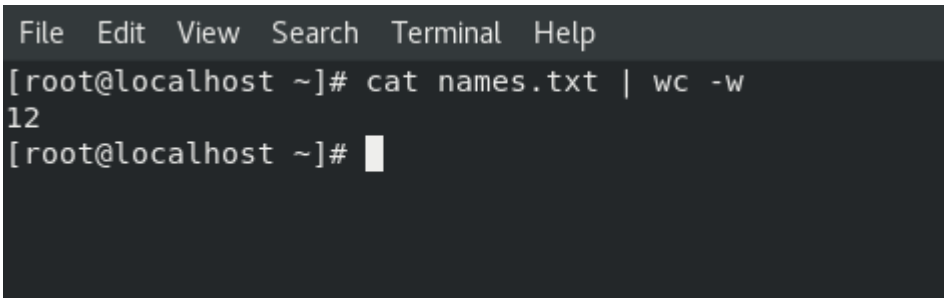
16. Create one file and print Revere output for grep command:

```
File  Edit  View  Search  Terminal  Help
[root@localhost ~]# cat names.txt
chaitanya
pranav
raj
jack
pratham
yash
chaitanya
pranav
pranav
jack
chaitanya
eric
[root@localhost ~]#
```

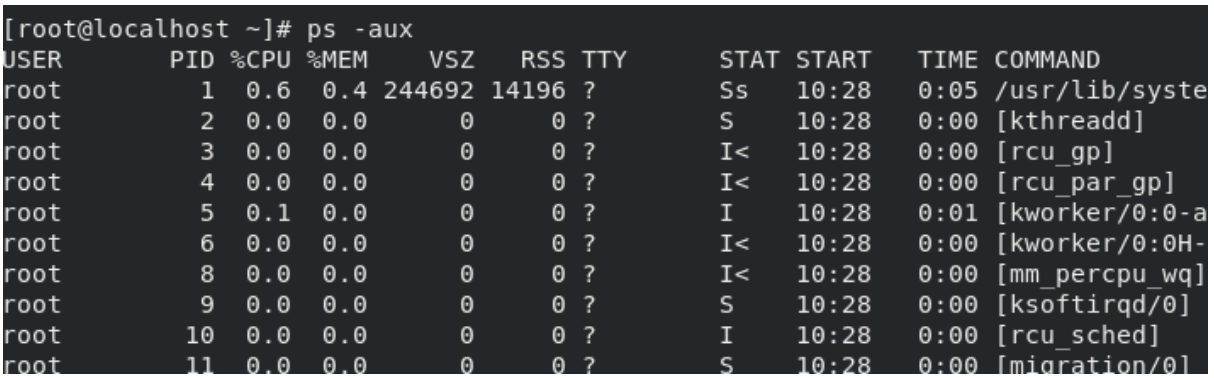
Reverse output of grep command: (if I searched for word chaitanya it will give me all the string excluding chaitanya):

```
File  Edit  View  Search  Terminal  Help
[root@localhost ~]# cat names.txt | grep -v chaitanya names.txt
pranav
raj
jack
pratham
yash
pranav
pranav
jack
eric
[root@localhost ~]#
```

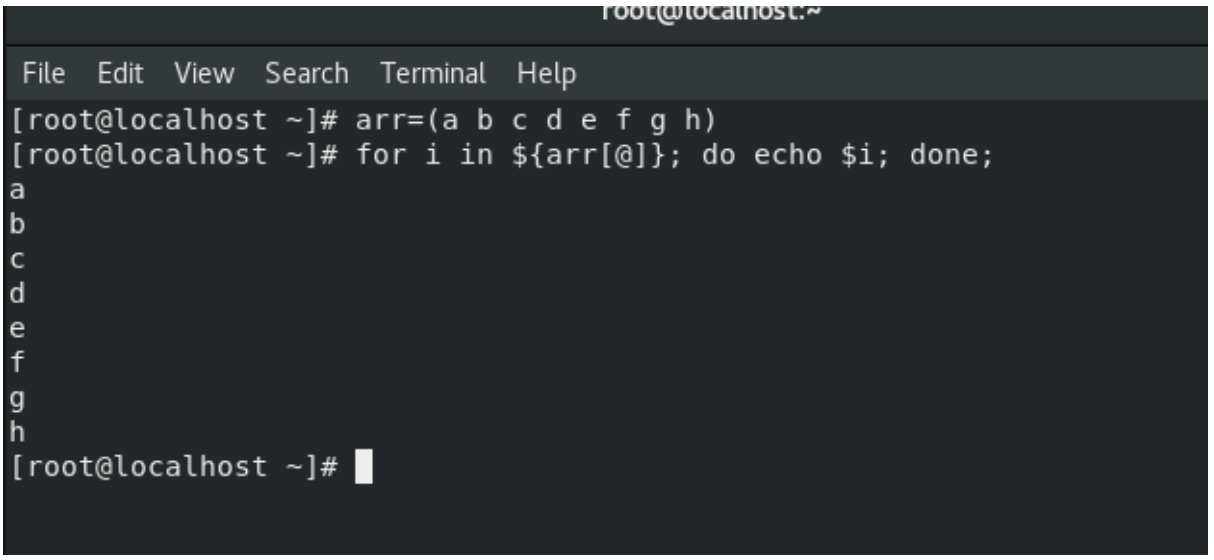
17. Count number of words in above file:



18. Print all the processes running on your system:



19. Declare an array and print it using for loop:



20. Print “OK” infinite time using while loop with the delay of 2 seconds: