FOSS LAB

ASSIGNMENT

Submitted By
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S3 CS
Roll NO:26

1.Display your current directory

```
user@user-Vostro-15-3568:~$ pwd
/home/user
user@user-Vostro-15-3568:~$
```

2.Change to the /etc directory

```
user@user-Vostro-15-3568:~$ cd exam
user@user-Vostro-15-3568:~/exam$ pwd
/home/user/exam
user@user-Vostro-15-3568:~/exam$
```

3. Change to home directory using a single command

```
user@user-Vostro-15-3568:~$ cd exam
user@user-Vostro-15-3568:~/exam$ pwd
/home/user/exam
user@user-Vostro-15-3568:~/exam$ cd ~
user@user-Vostro-15-3568:~$ pwd
/home/user
user@user-Vostro-15-3568:~$ pwd
/home/user
user@user-Vostro-15-3568:~$ |
```

4. Change to the parent directory of the current directory

```
user@user-Vostro-15-3568:~$ cd exam
user@user-Vostro-15-3568:~/exam$ cd etc
user@user-Vostro-15-3568:~/exam/etc$ pwd
/home/user/exam/etc
user@user-Vostro-15-3568:~/exam/etc$ cd ..
user@user-Vostro-15-3568:~/exam$ pwd
/home/user/vostro-15-3568:~/exam$ pwd
/home/user/exam
user@user-Vostro-15-3568:~/exam$
```

5.Go to the root directory

```
user@user-Vostro-15-3568:~$ cd exam
user@user-Vostro-15-3568:~/exam$ cd etc
user@user-Vostro-15-3568:~/exam$ pwd
vser@user-Vostro-15-3568:~/exam$ pwd
/home/user/exam
user@user-Vostro-15-3568:~/exam$ cd ..
user@user-Vostro-15-3568:~$ pwd
/home/user
user@user-Vostro-15-3568:~$ = |
```

6. Give a long listing of the root directory

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7. Give a listing of the last 10 files in the root directory

```
User@user-Vostro-15-3568:~$ ls -1t | tail -10
Public
Templates
Videos
School_Resources
TuxPaint-Pictures
examples.desktop
itsuserguide.desktop
VCD_Copy
reset-settings
linuxcommands.pdf
user@user-Vostro-15-3568:~$
```

8.Stay where you are and list the contents

9. Create a directory testdir in your home directory

```
user@user-Vostro-15-3568:~$ pwd
/home/user
user@user-Vostro-15-3568:~$ ls exam
etc file1 file2
user@user-Vostro-15-3568:~$ mkdir testdir
user@user-Vostro-15-3568:~$ cd testdir
user@user-Vostro-15-3568:~$ cd testdir
user@user-Vostro-15-3568:~/testdir$ pwd
/home/user/testdir
user@user-Vostro-15-3568:~/testdir$ =
```

10.Change to the /etc directory,stay there and create directory newdir in your home directory

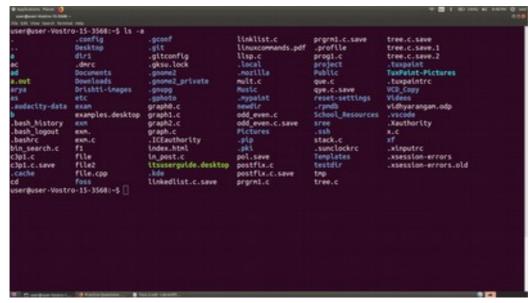
```
user@user-Vostro-15-3568:~$ cd testdir
user@user-Vostro-15-3568:~/testdir$ pwd
/home/user/testdir
user@user-Vostro-15-3568:~/testdir$ mkdir ~/newdir
user@user-Vostro-15-3568:~/testdir$ pwd
/home/user/testdir
user@user-Vostro-15-3568:~/testdir$ cd ..
user@user-Vostro-15-3568:~$ ls
                     file.cpp
                                               prog1.c
                                               project
ac
                     foss
                    graph0.c
                                               Public
ad
a.out
                    graph1.c
                                              que.c
                    graph2.c
                                              qye.c.save
arya
                    graph.c
                                              reset-settings
as
                     index.html
                                              School_Resources
bin_search.c
                    in_post.c
                                              sree
c3p1.c
                     itsuserguide.desktop stack.c
```

11.Create in one command the directories ~/dir1/dir2/dir3

12.Display the calendar of April 2019

13.Display that 'There are files in my current directory'. The should be filled with the count of the files.

14. List all the files (including hidden files) in your home directory.



15. Redirect the output of the above command to a new file FileList.txt



16.Redirect the number of lines of FileList.txt to CountFile.txt.



17. List all the files in your home directory starting with 's'

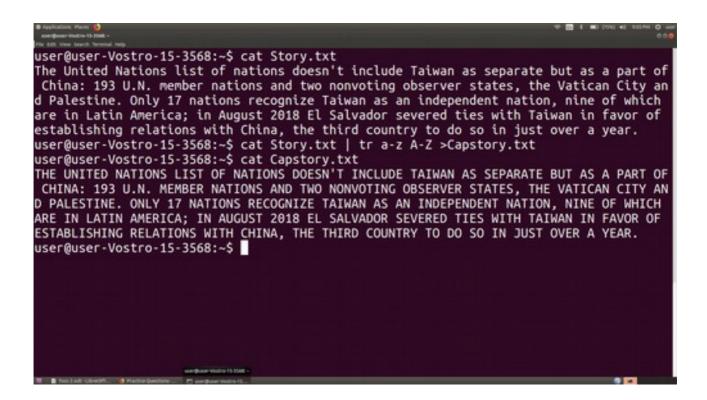
18. List all the file-names starting with "a", "b" or "s"

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19. Create two files 'Countries.txt', containing country names and their corresponding capital cities and 'Story.txt' contains some arbitrary lines of text.



20. Convert all lowercase characters from 'Story.txt' to uppercase and store it in a file 'Capstory.txt'.



21. Toggle the cases in 'Story.txt' and store it in a file 'Togglestory.txt'.



22.Sort the contents of 'Countries.txt'with Capital as the primary sort key and write the sorted output to 'SortCountry.txt'.



23. Display only the capital cities from 'Countries.txt'.

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24. Locate all '.txt' and '.doc' files in the current directory

```
user@user-Vostro-15-3568:-$ find . type f \( -name "*.txt" -o -name "*.doc" \)
./Countlist.txt
 /Country.txt
 /FileList.txt
./Capstory.txt
./Filelist.txt
./Story.txt
./exm/file1.txt
 /Sortcountries.txt
 /.config/libreoffice/4/user/uno_packages/cache/log.txt
 /Countries.txt
/Togglestory.txt
/School_Resources/Source_of_martin.ogg.txt
 /.pki/nssdb/pkcs11.txt
 /.mozilla/firefox/f40x8xpw.default/revocations.txt
/.mozilla/firefox/f40x8xpw.default/pkcs11.txt
//mozilla/firefox/f40x8xpw.default/TRRBlacklist.txt
//mozilla/firefox/f40x8xpw.default/SiteSecurityServiceState.txt
//mozilla/firefox/f40x8xpw.default/serviceworker.txt
 /.mozilla/firefox/f40x8xpw.default/AlternateServices.txt
./.mozilla/firefox/f40x8xpw.default/SecurityPreloadState.txt
./.mozilla/firefox/f40x8xpw.default/weave/logs/error-sync-1549639612355.txt
 /output.txt
find: 'type': No such file or directory
find: 'f': No such file or directory
 user@user-Vostro-15-3568:~$
```

25. Count the number of occurence of 'the' in 'Story.txt'.

