

## LAB 2: BASIS COMMANDS

### Files and directory navigation commands

1. **ls** : To show the files and Directories
2. **ls -l** : To show the file and Directories in Long Format
3. **ls -a** : To show the file and Directories with include hidden files
4. **ls -R** : To show the Directories and Sub Directories
5. **ls -d \*** : To show the only Directories
6. **ls -l |more** : To show the files and Directories in Long Format in page wise
7. **ls -l |head** : To show the top ten files and Directories
8. **ls -l |tail** : to show the bottom ten files and Directories

### Directories commands

9. **pwd** : To show the Present working directory
10. **cd** : To change a Directory
11. **Cd ..** : To Change Previous /parent directory
12. **mkdir** : To Create a Directory
13. **tree** : To display folders & files in tree structure
14. **rmdir** : To Remove a Directory
15. **mkdir -p** : To Create Nested Directories
16. **rm -rf** : To Remove the Directories and sub Directories with include files

### Files Commands

17. **cat >** : To Create a file
18. **cat** : To open a file
19. **cat >>** : To Create a file
20. **cp** : To copy file
21. **Cp -r** : To copy Directories and sub Directories with include files
22. **Mv** : To Rename files and Directories
23. **mv** : To Cut & paste file & Directories
24. **locate** : To locate /find out a file
25. **touch** : To create a multiple files
26. **cal** : To Show the calendar
27. **date** : To show the Date

**1. To show the file and Directories**

```
[root@anji ~]# ls
```

**Verification :**

```
anaconda-ks.cfg Desktop install.log install.log.syslog shaik
```

**2. To show the file and Directories in Long Format**

```
[root@anji ~]# ls -l
```

**Verification:**

```
total 68
```

```
-rw----- 1 root root 826 Dec 18 15:04 anaconda-ks.cfg
```

```
drwxr-xr-x 2 root root 4096 Jan 22 22:17 Desktop
```

```
-rw-r--r-- 1 root root 28697 Dec 18 15:04 install.log
```

```
-rw-r--r-- 1 root root 3327 Dec 18 15:02 install.log.syslog
```

```
-rw-r--r-- 1 root root 52 Jan 3 04:02 shaik
```

**3. To show the file and Directories with include hidden files**

```
[root@anji ~]# ls -a
```

**Verification :**

```
. .cshrc .gnome install.log.syslog .redhat
```

```
.. Desktop .gnome2 .lessht shaik
```

```
anaconda-ks.cfg .dmrc .gnome2_private .local .swp
```

```
.bash_history .egg cups .gstreamer-0.10 .metacity .tcshrc
```

```
.bash_logout .esd_auth .gtk-bookmarks .mozilla .thumbnails
```

```
.bash_profile .evolution .gtkrc-1.2-gnome2 .nautilus .toprc
```

```
.bashrc .gconf .ICEauthority .recently-used .Trash
```

```
.config .gconfd install.log .recently-used.xbel .xsession-errors
```

**4. To show the Directories and Sub Directories**

```
[root@anji ~]# ls -R
```

**Verification :**

```
anaconda-ks.cfg Desktop install.log install.log.syslog shaik
```

```
./Desktop:
```

```
anji pirut.desktopgmt
```

**5. To show the only Directories**

```
[root@anji /]# ls -d */
```

**Verification:**

```

anji/ boot/ etc/ lib/    media/ mnt/ opt/ root/ sbin/  srv/   sys/  usr/
bin/ dev/  home/ lost+found/ misc/ net/  proc/ s1/   selinux/ student/ tmp/
var/

```

## 6. To show the files and Directories in Long Format in page wise

```
[root@anji ~]# ls -l |more
```

### Verification :

```

total 68
-rw----- 1 root root 826 Dec 18 15:04 anaconda-ks.cfg
drwxr-xr-x 2 root root 4096 Jan 22 22:17 Desktop
-rw-r--r-- 1 root root 28697 Dec 18 15:04 install.log
-rw-r--r-- 1 root root 3327 Dec 18 15:02 install.log.syslog
-rw-r--r-- 1 root root 52 Jan 3 04:02 shaik

```

## 7. To show the top ten files and Directories

```
[root@anji ~]# ls -l |head
```

### Verification :

```

total 68
-rw----- 1 root root 826 Dec 18 15:04 anaconda-ks.cfg
drwxr-xr-x 2 root root 4096 Jan 22 22:17 Desktop
-rw-r--r-- 1 root root 28697 Dec 18 15:04 install.log
-rw-r--r-- 1 root root 3327 Dec 18 15:02 install.log.syslog
-rw-r--r-- 1 root root 52 Jan 3 04:02 shaik

```

## 8. to show the bottom ten files and Directories

### Verification :

```

[root@anji ~]# ls -l |tail
total 68
-rw----- 1 root root 826 Dec 18 15:04 anaconda-ks.cfg
drwxr-xr-x 2 root root 4096 Jan 22 22:17 Desktop
-rw-r--r-- 1 root root 28697 Dec 18 15:04 install.log
-rw-r--r-- 1 root root 3327 Dec 18 15:02 install.log.syslog
-rw-r--r-- 1 root root 52 Jan 3 04:02 shaik

```

## 9. To show the Present working directory

### Verification:

```

[root@anji ~]# pwd
/root

```

**10. To Change Previous /parent directory**

```
[root@anji ~]# pwd
/root
```

**Verification:**

```
[root@anji ~]# cd ..
[root@anji /]# pwd
```

**11. To Create Directory**

```
[root@anji /]#
[root@anji /]# ls
anji2 data1 etc home lib mnt root srv tmp
bin data2 file1 krishna lost+found net s1 students usr
boot database file10 kumar media opt sbin surimama var
data dev files kumar~ misc proc selinux sys
```

**Verification :**

```
[root@anji /]# mkdir anjineyulu
[root@anji /]# ls
anji2 data dev files kumar~ misc proc selinux sys
anjineyulu data1 etc home lib mnt root srv tmp
bin data2 file1 krishna lost+found net s1 students usr
boot database file10 kumar media opt sbin surimama var
[root@anji /]#
```

**12.To change Directory****Verification :**

```
[root@anji /]# cd anjineyulu
[root@anji anjineyulu]# pwd
/anjineyulu
```

**13. To Create Directories & sub Directories****Verification :**

```
[root@anji /]# ls
anji2 boot data2 etc files kumar lost+found mnt proc sbin students
tmp anjineyulu data database file1 home kumar~ media net root selinux
surimama usr bin data1 dev file10 krishna lib misc opt s1 srv sys var
[root@anji /]# mkdir -p gsoft/mcftp/xchangeserver/ccna/linux
[root@anji /]# ls
anji2 boot data2 etc files krishna lib misc opt s1 srv sys var
anjineyulu data database file1 gsoft kumar lost+found mnt proc sbin
students tmp bin data1 dev file10 home kumar~ media net root
selinux surimama usr
```

**14 . To display folders & files in tree structure****Verification :**

```
[root@anji /]# tree gsoft
gsoft
|-- mcftp
   |-- xchangeserver
```

```
-- ccna
-- linux
```

4 directories, 0 files

(Or)

```
[root@anji /]# ls -R /gsoft
/gsoft:
mcitp
```

```
/gsoft/mcitp:
xchangeserver
```

```
/gsoft/mcitp/xchangeserver:
ccna
```

```
/gsoft/mcitp/xchangeserver/ccna:
linux
```

```
/gsoft/mcitp/xchangeserver/ccna/linux:
```

#### 15. To Remove a Directory

**Verification :**

```
[root@anji /]# mkdir laxman
```

```
[root@anji /]# ls
```

```
anji2 boot data2 etc files krishna laxman media net root selinux
surimama usr anjineyulu data database file1 gsoft kumar lib misc opt s1
srv sys var bin data1 dev file10 home kumar~ lost+found mnt
proc sbin students tmp
```

```
[root@anji /]# rmdir laxman
```

```
[root@anji /]# ls
```

```
anji2 boot data2 etc files krishna lib misc opt s1 srv sys var
anjineyulu data database file1 gsoft kumar lost+found mnt proc sbin
students tmp
bin data1 dev file10 home kumar~ media net root selinux surimama
usr
```

```
[root@anji /]#
```

**16. To Remove the Directories and sub Directories****Verification :**

```
[root@anji /]# tree gsoft
gsoft
|-- mcitp
|-- xchangeserver
|-- ccna
-- linux
```

4 directories, 0 files

```
[root@anji /]# rm -rf gsoft
```

**17.To create a file****Verification :**

```
[root@anji /]# cat > anjineyulu
```

Bio -data

=====

```
Name           : J.Anjineyulu
Father name     : j.Seetharamaiah
village         : variaga kurava palli, Botlacheruvu post , Rayachoti,
```

**ctrl+d (to save a file)**

**18.To see file content****Verification**

```
[root@anji /]# cat anjineyulu
```

Bio -data

=====

```
Name           : J.Anjineyulu
Father name     : j.Seetharamaiah
village         : variaga kurava palli, Botlacheruvu post , Rayachoti,
```

**(or)**

```
[root@anji /]# more anjineyulu
```

Bio -data

=====

```
Name           : J.Anjineyulu
Father name     : j.Seetharamaiah
village         : variaga kurava palli, Botlacheruvu post , Rayachoti,
```

**19.To copy a file****Verification :**`[root@anji /]# cp anjineyulu ramana`**Verification:**`[root@anji /]# cat ramana`

Bio -data

=====

Name : J.Anjineyulu

Father name : j.Seetharamaiah

village : variaga kurava palli, Botlacheruvu post , Rayachoti,

**20. To copy Directories and sub Directories with include files****Verification :**`[root@anji /]# cp -rf gsoft newdata2`**21.To change the file name****Verification :**`[root@anji /]# mv <old filename> <newfilename>`**22.To change The Directories name****Verification :**`[root@anji /]# mv <old directory name> <new directory name>`**23.To cut and paste files and directories****Verification :**`[root@anji /]# mkdir gsoftechnologies``[root@anji /]# ls`

```
anjineyulu boot dev gayatri1 home lost+found net opt s1 students
sys var anjineyulu~ data etc gsoft kumar~ media new proc sbin
surendra tmp vijay ayaz data1 file10 gsoft1 laxman misc newdata
ramana selinux suri usr bin database files gsoftechnologies lib mnt
newdata2 root srv surimama uu
```

`[root@anji /]# mv -f /gsoft1/* /gsoftechnologies`**24.To create a file using "Touch" Command****Verification :**`[root@anji /]# touch anji`**25.To Create a multiple Directories****Verification :**`[root@anji /]# mkdir <directory1> < directory2> < directory3>`



## ANJI TECHNOLOGIES

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## 26.To show the Calendar

Verification :

`[root@anji /]# cal 2015`

2015																												
January							February							March														
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa								
					1	2	3	1	2	3	4	5	6	7	1	2	3	4	5	6	7							
4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14								
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21								
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28								
25	26	27	28	29	30	31								29	30	31												
April							May							June														
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa								
					1	2	3	4					1	2	1	2	3	4	5	6								
5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13								
12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20								
19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27								
26	27	28	29	30			24	25	26	27	28	29	30	28	29	30												
							31																					
July							August							September														
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa								
					1	2	3	4					1			1	2	3	4	5								
5	6	7	8	9	10	11	2	3	4	5	6	7	8	6	7	8	9	10	11	12								
12	13	14	15	16	17	18	9	10	11	12	13	14	15	13	14	15	16	17	18	19								
19	20	21	22	23	24	25	16	17	18	19	20	21	22	20	21	22	23	24	25	26								
26	27	28	29	30	31		23	24	25	26	27	28	29	27	28	29	30											
							30	31																				
October							November							December														
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa								
					1	2	1	2	3	4	5	6	7			1	2	3	4	5								
4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12								
11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19								
18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26								
25	26	27	28	29	30	31	29	30						27	28	29	30	31										

`[root@anji /]#`

## 27.To see a file starting from "a"

Verification:

```
[root@anji /]# ls a*
anjineyulu anjineyulu~
ayaz:
[root@anji /]#
```

## 28.Change the directory to Home Directory

Verification :

```
[root@anji gsoft1]# pwd
/gsoft1
[root@anji gsoft1]# cd
[root@anji ~]# pwd
/root
[root@anji ~]#
```



**29.To change the directory to last working directory****Verification :**

```
[root@anji /]# cd /newdata2/gsoft
[root@anji gsoft]# pwd
/newdata2/gsoft
[root@anji gsoft]# cd /
[root@anji /]# cd -
/newdata2/gsoft
[root@anji gsoft]#
```

**30.To show The Date****Verification :**

```
[root@anji gsoft]# date
Sun Feb  2 07:55:30 PST 2014
```

**31.To change the Time and Date****Verification :**

```
[root@anji /]#system-config-time
```

**32.To Take Help of Command****Verification :**

```
[root@anji /]#man cat
```

**33.To clear the screen****Verification :**

```
[root@anji /]#clear (Or) ctrl+l
```