

Assignment No.1

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Roll No. 66

1. Change your password to a password you would like to use for the remainder of the semester.

```
bhavin@predator:/home$ passwd
Changing password for bhavin.
Current password:
New password:
BAD PASSWORD: The password is shorter than 8 characters
New password:
Retype new password:
passwd: password updated successfully
```

2. Display the system's date.

```
bhavin@predator:/home$ date
Tuesday 23 August 2022 03:09:19 PM IST
```

3. Count the number of lines in the /etc/passwd file.

```
bhavin@predator:~$ wc -l /etc/passwd
51 /etc/passwd
bhavin@predator:~$
```

- Find out who else is on the system.

```
bhavin@predator:~$ w
10:17:55 up 2:17, 1 user, load average: 1.82, 2.93, 4.36
USER      TTY      FROM            LOGIN@   IDLE   JCPU   PCPU   WHAT
bhavin    :1       :1              08:00    ?xdm?  2:39m  0.01s  /usr/libexec/gd
bhavin@predator:~$
```

- Direct the output of the man pages for the date command to a file named *mydate*.

```
bhavin@predator:~$ man date > date
bhavin@predator:~$ ls
date      Documents  javasharedresources  Pictures  temp      utserver.tar
.gz
deb       Downloads  lab1                 Public    Templates Videos
Desktop   DSA        Music                snap      touch     vit
bhavin@predator:~$ cat date
DATE(1)                                User Commands                                DAT
E(1)

NAME
    date - print or set the system date and time

SYNOPSIS
    date [OPTION]... [+FORMAT]
    date [-u|--utc|--universal] [MMDDhhmm[[CC]YY][.ss]]

DESCRIPTION
    Display the current time in the given FORMAT, or set the system dat
```

- Create a subdirectory called *mydir*.

```
E(1)
bhavin@predator:~$ mkdir mydir
bhavin@predator:~$ mv d
date deb
bhavin@predator:~$ mv date mydir/
bhavin@predator:~$ ls
deb      Downloads  lab1  Pictures  Templates  Videos
Desktop  DSA        Music Public    touch      vit
Documents javasharedresources mydir  snap      utserver.tar.gz
bhavin@predator:~$ cd mydir/
```

7. Move the file *mydate* into the new subdirectory.

```
date deb
bhavin@predator:~$ mv date mydir/
bhavin@predator:~$ ls
deb      Downloads      lab1  Pictures  Templates  Videos
Desktop  DSA            Music Public    touch      vit
Documents javasharedresources mydir snap      utserver.tar.gz
bhavin@predator:~$ cd mydir/
bhavin@predator:~/mydir$ ls
date
```

8. Go to the subdirectory *mydir* and copy the file *mydate* to a new file called *ourdate*

```
bhavin@predator:~/mydir$ cp date ourdate
bhavin@predator:~/mydir$ ls
date ourdate
bhavin@predator:~/mydir$ ls -l
total 16
-rw-rw-r-- 1 bhavin bhavin 6516 Aug 23 15:12 date
-rw-rw-r-- 1 bhavin bhavin 6516 Aug 23 15:16 ourdate
bhavin@predator:~/mydir$ pwd
/home/bhavin/mydir
```

9. List the contents of *mydir*.

```
/home/bhavin/mydir
bhavin@predator:~/mydir$ ls
date ourdate
```

10. Do a long listing on the file *ourdate* and note the permissions.

```
bhavin@predator:~/mydir$ ls -l
total 16
-rw-rw-r-- 1 bhavin bhavin 6516 Aug 23 15:12 date
-rw-rw-r-- 1 bhavin bhavin 6516 Aug 23 15:16 ourdate
bhavin@predator:~/mydir$ pwd
```

11. Display the name of the current directory starting from the root.

```
bhavin@predator:~/mydir$ pwd
/home/bhavin/mydir
bhavin@predator:~/mydir$ ls
date  ourdate
bhavin@predator:~/mydir$ mv date /home/bhavin/ && mv
```

12. Move the files in the directory *mydir* back to the HOME directory.

```
bhavin@predator:~/mydir$ mv date /home/bhavin/ && mv ourdate
mv: missing destination file operand after 'ourdate'
Try 'mv --help' for more information.
bhavin@predator:~/mydir$ mv date /home/bhavin/ && mv ourdate /home/bhavin/
mv: cannot stat 'date': No such file or directory
bhavin@predator:~/mydir$ ls
ourdate
bhavin@predator:~/mydir$ mv ourdate /home/bhavin/
bhavin@predator:~/mydir$ ls
```

13. List all the files in your HOME directory.

```
bhavin@predator:~$ ls
CUDA
cuda-repo-ubuntu2204-11-7-local_11.7.1-515.65.01-1_amd64.deb
deb
Desktop
Documents
Downloads
dryrun.log
javasharedresources
bhavin@predator:~$
```

Music
Pictures
Public
targets.log
Temp
Templates
Videos
VIM

14. Display the first 5 lines of *mydate*.

```
bhavin@predator:~$ head -n 5 date
DATE(1)                                User Commands                                DAT
E(1)
NAME
    date - print or set the system date and time
bhavin@predator:~$ tail -n 8 date
    This is free software: you are free to change and redistribute
```

15. Display the last 8 lines of *mydate*.

```
bhavin@predator:~$ tail -n 8 date
This is free software: you are free to change and redistribute
it.
There is NO WARRANTY, to the extent permitted by law.

SEE ALSO
Full documentation <https://www.gnu.org/software/coreutils/date>
or available locally via: info '(coreutils) date invocation'
```

16. Remove the directory *mydir*.

```
bhavin@predator:~$ rmdir mydir
bhavin@predator:~$ ls
date      Documents  javasharedresources  ourdate  snap      Videos
deb       Downloads  lab1                  Pictures  Templates vit
Desktop   DSA        Music                 Public    utserver.tar.gz
bhavin@predator:~$
```

17. Redirect the output of the long listing of files to a file named *list*.

```
bhavin@predator: ~
bhavin@predator: ~ 80x32
bhavin@predator:~$ sudo ls > list
[sudo] password for bhavin:
bhavin@predator:~$ ls
CUDA                                     Music
cuda-repo-ubuntu2204-11-7-local_11.7.1-515.65.01-1_amd64.deb  Pictures
deb                                     Public
Desktop                               targets.log
Documents                             Temp
Downloads                             Templates
dryrun.log                           Videos
javasharedresources                  vit
list
bhavin@predator:~$ cat list
CUDA
cuda-repo-ubuntu2204-11-7-local_11.7.1-515.65.01-1_amd64.deb
deb
Desktop
Documents
Downloads
dryrun.log
javasharedresources
list
Music
Pictures
Public
targets.log
Temp
Templates
Videos
VIT
bhavin@predator:~$
```