1.akhil@akhil-hp-pavilion:~/Documents $ ls

cdac Zoom

akhil@akhil-hp-pavilion:~/Documents $

2.akhil@akhil-hp-pavilion:~/Documents $ cp testfile1.txt cdac/

3.akhil@akhil-hp-pavilion:~/Documents $ mv testfile1.txt test.txt

4.akhil@akhil-hp-pavilion:~/Documents $ cat test.txt

hello

sdf

hi

user12

sd323

jet

tank

missile

akhil@akhil-hp-pavilion:~/Documents $ sort test.txt

hello

hi

jet

missile

sd323

sdf

tank

user12

akhil@akhil-hp-pavilion:~/Documents $

5.akhil@akhil-hp-pavilion:~/Documents $ grep "jet" test.txt

jet

6.akhil@akhil-hp-pavilion:~/Documents $ cat test.txt

hello

sdf

hi

user12

sd323

jet

tank

missile

7.akhil@akhil-hp-pavilion:~/Documents $ tac test.txt

missile

tank

jet

sd323

user12

hi

sdf

hello

>>ps (1) - report a snapshot of the current processes.

akhil@akhil-hp-pavilion:~/Documents $ **ps**

PID TTY TIME CMD

2141 pts/0 00:00:00 bash

3661 pts/0 00:00:00 ps

>>touch - Create an empty file.

akhil@akhil-hp-pavilion:~/Documents $ **touch** testFile.txt

>>whoami (1) - print effective userid

akhil@akhil-hp-pavilion:~/Documents $ **whoami**

akhil

>>cal (1) - displays a calendar and the date of Easter

akhil@akhil-hp-pavilion:~/Documents $ **cal**

October 2020

Su Mo Tu We Th Fr Sa

1 2 3

4 5 6 7 8 9 10

11 12 13 14 15 16 17

18 19 20 21 22 23 24

25 26 27 28 29 30 31

>>whatis (1) - display one-line manual page descriptions

akhil@akhil-hp-pavilion:~/Documents $ **whatis** date

date (1) - print or set the system date and time

>>date (1) - print or set the system date and time

akhil@akhil-hp-pavilion:~/Documents $ **date**

Saturday 17 October 2020 07:46:05 PM IST

>>>tar (1) - an archiving utility

1)How to tar a file / Compress a file:

**tar -zcvf file.tar.gz /path/to/filename**

-v: Verbose output

-c: Create a new archive

-f file.tar.gz: Use archive file

-z: Filter the archive through gzip

-j: Filter the archive through bzip2

akhil@akhil-hp-pavilion:~/Documents $ **tar -czvf** testTar.tar.gz testDir

testDir/

testDir/test.sh

testDir/test.txt

testDir/testFile.txt

>>>tar (1) - an archiving utility

2)How to untar/ Decompress a file:

**tar -xzvf file.tar.gz**

-x: Extract files from an archive

-v: Verbose output

akhil@akhil-hp-pavilion:~/Documents $ **tar -xzvf** testTar.tar.gz

testDir/

testDir/test.sh

testDir/test.txt

testDir/testFile.txt

>>echo (1) - display a line of text

akhil@akhil-hp-pavilion:~/Documents $ echo "Hello Friend"

Hello Friend

>>time (1) - run programs and summarize system resource usage

time (7) - overview of time and timers

akhil@akhil-hp-pavilion:~/Documents $ time

real 0m0.000s

user 0m0.000s

sys 0m0.000s

>>who (1) - show who is logged on

akhil@akhil-hp-pavilion:~/Documents $ **who**

akhil :0 2020-10-17 19:30 (:0)

>>wc (1) - print newline, word, and byte counts for each file

>>w (1) - Show who is logged on and what they are doing.

>>**alias command** instructs the shell to replace one string with another string while executing the commands.

**Before:**

akhil@akhil-hp-pavilion:~/Documents $ pwd

/home/akhil/Documents

akhil@akhil-hp-pavilion:~/Documents $ **alias** getInDir="cd testDir"

**After:**

akhil@akhil-hp-pavilion:~/Documents $ **getInDir**

akhil@akhil-hp-pavilion:~/Documents/testDir $

akhil@akhil-hp-pavilion:~/Documents/testDir $ pwd

/home/akhil/Documents/testDir