**Grep Command:**

-Used to Search for a given string in a file.

A. To search specific string in specific file

Syntax: grep “literal\_string” filename

Eg: grep “this” /commands/grepdemo.txt

B. To check given string in multiple files

Syntax: grep “string” FILE\_PATTERN

Eg: grep “this” /commands/grep\*

C. Searches given string in the specified file incase sensitively

Syntax: grep -i “string” file

Eg: grep “this” /commands/grepdemo.txt

Grep “THIS” /commands/grepdemo.txt

D. To match regular expressions in given file

Syntax: grep “REGEX” filename

Eg: grep “First.\*Upper” /commands/grepdemo.txt

Searches for a string starting with first and can have anything in between and should end with Upper.

E. Searches for the full word given as string but not sub string

Syntax: grep -w “is” /commands/grepdemo.txt

Searches for “is” word only

Grep –iw “is” /commands/grepdemo.txt

Searches for “is” word only without case sensitive

F. With –A option will print N lines after the match found

Syntax: grep -A <N> “string” FILENAME

Eg: grep -A 3 -i “is” /commands/grepdemo.txt

G. With –B option will print N lines after the match found

Syntax: grep -B <N> “string” FILENAME

Eg: grep -B 2 -i “Hello” /commands/grepdemo.txt

H. With –C option will print N lines before and after the match found

Eg: grep -C 2 “Hello” /commands/grepdemo.txt

I.Search in all files recursively using –r option

Syntax: grep –r string \*

Eg:grep -r “the” \*

Search for all files in the present working directory

J.with –v option prints lines which are not matched.

Syntax:grep –v string filename

Eg: grep –v “empty” /commands/grepdemo.txt

K. For displaying lines which does not matches the given pattern

Syntax: grep –v –e pattern filename

Grep –v –e “empty\*” -e “And” /commands/grepdemo.txt

L. for getting count of no of lines the given pattern have use option –c

Syntax: grep –c pattern filename

Eg: grep –c “empty” /commands/grepdemo.txt

**M**.Display only the file names which matches the given pattern using grep –l

Syntax: grep –l string pattern of file

Eg:grep –l “this” /commands/grep\*

Gets the list of file names with the matched string

N. Shows only matched string with –o option

Syntax: grep –o pattern filename

Eg: grep -o “.\*line” /commands/grepdemo.txt

o.Shows the position of the matched line

Syntax: grep –o –b “pattern” file

Eg:grep –o -b “consider” /commands/grepdemo.txt

P: Shows the line number for matched pattern along with the line found

Syntax: grep -n pattern filename

Eg: Grep –n “consider” /commands/grepdemo.txt

**Find command:**

1. Finds all files with name in current directory and all sub directories

Find -name filename

Eg: find –name test.txt

Find /commands -name “sample.txt”

Find /commands -iname “sample.txt”

2.Limit search to specific directory level using mindepth and maxdepth

Find / -maxdepth 3 –name passwd

Finds the password file with subdirectory 2 and 4

Find / -mindepth 3 –maxdepth 5 -name passwd

3.Find all empty files in home directory

Eg: find ~ -empty

**SSH command:**

**Login to remote host**

ssh -l hostname sitename

Debug ssh client

ssh -v -l hostname sitename

displaying ssh client version

ssh –V

**Vim command**

**Go to the specific line of the file**

1.Vim +lineno filename

Vim +4 /commands/grepdemo.txt

2.Go to the first match of the specified string

Vim +/consider /commands/grepdemo.txt

To exit from vim editor

:q and click enter

3.To read file in read only mode

Vim –R /etc/passwd

**Diff command:**

To find out the diff between two files

Syn: Diff -w file1 file2

Ignores white space while comparing

Diff -w /commands/empfile1.txt /commands/empfile2.txt

**Sort command:**

A. Sort a file in ascending order

Syn: sort names.txt

Sort /commands/grepdemo.txt

B.Sort a file in descending order

Syn:sort -r name.txt

Sort -r /commands/grepdemo.txt

C. sort given file by 3rd field

Sort -t : -k 4n /commands/grepdemo.txt

**Pwd command:**

Present working directory

pwd

**cd command**: To switch between two directories

cd /commands

**gzip command:**

1.For creating .gz compressed file

gzip test.txt

Eg: gzip /commands/sample.txt

2.To uncompress a gz file

Eg:gzip /commands/sample.txt.gz

Display the compressed ratio of compressed file

Eg: gzip -l \*.gz

Bzip2 command:

To create bz2 compressed file

Eg: bz2 /commands/grepdemo1.txt

To uncompress \*.bz2 file

Eg:bzip2 -d /commands/grepdemo1.txt.bz2

Unzip command:

To unzip the zip files

Eg: Unzip sample.zip

Ps command:

For knowing processes running in the system

Eg:ps –ef

For knowing processes running in the system in tree hierarchy with –H option

Eg: ps –efH

Free:

Used to display free,used,swap memory available in the system

Eg: free

For seeing the total memory using option –t

Eg: free –t

Copy command:

Cp file1 file2

Copies content from one file to another

Eg: cp /commands/grepdemo1.txt /commands/grepdemo2.txt