Find command:

It is used to locate/search files on a unix or linux system .find will search any set of directories you specify for files that match .

Find syntax:  
find <path > <search criteria> <action>

1. To display the pathnames of all files in the current directory and all subdirectories

\*find .

\*find . -print

\*find -print

2) below command will search abc file in the entire system

\*find / -name abc

3)to search abc file in current directory we use:

\*find . -name abc

4)we can specify the name of thing as file or directory by

\*find . -type d -name abc //d is for directory search

\*find . -type f -name abc //f is file search

5) to find all text files from all directories

\*find / -name ‘\*.txt’

6) find files using name and ignoring casesensitiveness

\*find / -iname abc.txt

7)to find directories

\*find / -type d -name abc

8)every file and folder in linux have permissions for read ,write and execute

\*find . -type f -perm 0777 -print

9)find files without permission

\*find . -type f ! -perm 0777 -print

10)to find all SUID set files

\*find / -perm /u=s

11) find all executable files

\*find / -perm /a=x

12)find all read only file

\*find / -perm /u=r

13)find file with permission 777 and change the permission to 755

\*find / -type f -perm 0777 -exec chmod 755 {} \;

14)find and remove all text files

\*find / -type -f -name “\*.txt” -exec rm -f {} \;

15)find all hidden files

\*find / -type -f -name “.\*”

Time finding

16) files that were modified 10 days back

\*find / -mtime 10

17)find all the files that were accessed 10 days back

\*find / -atime 10

18)find all the files which are modified more than 10 days back and less than 20 days

\*find / -mtime +10 -mtime -20

19)find all the files modified in last 1 minute

\*find / -mmin 1

18)find a files based on user group

\*find / -user root -name abc.txt

19)find all the files of a user

\*find / -user root

20)find a 10 mb file

\*find / -size 10M

21) redirecting errors to /dev/null

\*find . -name “\*.txt” 2>>/dev/null

22)finding earth text in all the text files

\*find . -name “\*.txt” -exec grep -i “EARTH” {} \;