1. tar

tar command is used to create achieve files. This command combines files into a single file.

**Commands:**

* tar -cf Archivefile.tar file1 file2
* tar -x Archivefile.tar

**Problem 1:** Write a command to store all the .js files of current directory into single file.

**Problem 2:**

1. find

find command used to search list of files and directories. This command can find files by by **permissions**, **users**, **groups**, **file type**, **date**, **etc**.

**Commands:**

* find . -name abc.txt
* find . -type d

**Problem 1:** Find all the files naming ‘abc.txt’ in current working directory.

**Problem 2:** Find file whose file type is directory.

1. locate

locate command is used to search through a database. This command is faster than ‘find’ command as it doesn't read the file system for the searched file or directory name. It refers to a database (prepared by updatedb).

Each time a new file is added, database needs to be updated by command:

sudo updatedb

**Commands:**

* locate abc.txt
* locate -c student.sql

**Problem 1:** Write a command to find all files named “abc.txt”.

**Problem 2:** Write a command to find count or no of student.sql files.

1. diff

diff command is used to compare the contents of two text files and give its differences.

**Commands:**

* diff file1.txt file2.txt

**Problem 1:** Write a command to find difference between two files.

**Problem 2:**

1. tail

tail command is used to display last part of files. It returns last 10 lines by default.

**Commands:**

* tail abc.txt
* tail -n 5 abc.txt

**Problem 1:** Write a command to display last part of ‘abc.txt’ file.

**Problem 2:** Write a command to display last 5 lines of ‘abc.txt’.

1. less

Less command is used to read contents of text file one page per time.

**Commands**:

* less abc.txt
* less +4 abc.txt

**Problem 1:** Write a command to view ‘abc.txt’ file.

**Problem 2:** Write a command to view from 4th line of ‘abc.txt’ file.