**Practical : 01**

**Aim :** Basic Commands of Linux and Hadoop

Here are some basic commands for both Linux and Hadoop:

Linux Commands:

1. ls - List files in the current directory.

Syntax: ls

1. cd - Change to a different directory.

Syntax: cd directory\_name

1. mkdir - Create a new directory.

Syntax: mkdir directory\_name

1. cp - Copy a file.

Syntax: cp source\_file destination\_file

1. mv - Move a file.

Syntax: mv source\_file destination\_file

1. rm - Remove a file.

Syntax: rm file\_name

1. pwd - Print the current working directory.

Syntax: pwd

1. cat - Display the contents of a file.

Syntax: cat file\_name

1. grep - Search for a specific string in a file.

Syntax: grep search\_string file\_name

Hadoop Commands:

1. hdfs dfs -ls - List files in the HDFS.

Syntax: hdfs dfs -ls

1. hdfs dfs -put - Copy a file from the local file system to HDFS.

Syntax: hdfs dfs -put source\_file destination\_directory

1. hdfs dfs -get - Copy a file from HDFS to the local file system.

Syntax: hdfs dfs -get source\_file destination\_directory

1. hdfs dfs -mkdir - Create a new directory in HDFS.

Syntax: hdfs dfs -mkdir directory\_name

1. hdfs dfs -rm - Remove a file from HDFS.

Syntax: hdfs dfs -rm file\_name

1. hdfs dfs -mv - Move a file in HDFS.

Syntax: hdfs dfs -mv source\_file destination\_file

1. hdfs dfs -cat - Display the contents of a file in HDFS.

Syntax: hdfs dfs -cat file\_name

1. hdfs dfs -du - Display the size of a file or directory in HDFS.

Syntax: hdfs dfs -du file\_name/directory\_name

1. hdfs dfs -chmod - Change the permissions of a file or directory in HDFS.

Syntax: hdfs dfs -chmod permission file\_name/directory\_name

Overall, these are some of the basic Linux and Hadoop commands that you can use to navigate and manage files in the file system. There are many more commands available in both Linux and Hadoop that you can use depending on your needs.