HDFS Commands

⇨ always type start-dfs.cmd and start-yarn.cmd before commencing any other commands.

⇨ The command prompt should have be the above given location. Hadoop3.1.4\etc\hadoop\

1. **mkdir —** this command is used to create a new directory, if it does not exists. If the directory exists, it will give a "File already exists" error.
   Syntax: hdfs dfs -mkdir <Directory Path/Name>
   Example: hdfs dfs -mkdir /user

2. **ls —** this command is used to check the files or directory in the HDFS. It shows the name, permissions, owner, size, and modification date for each file or directory in the specified directory.
   Syntax: hdfs dfs -ls
   Example: hdfs dfs -ls /

3. **cat —** command used to view the data from the file in HDFS
   Syntax: hdfs dfs -cat <HDFS file path with file name>
   Example: hdfs dfs -cat /user/demo.txt

4. **put —** this command is used to copy the data from the local file system to HDFS.
   Syntax: hdfs dfs -put <Local File Path> <HDFS file path>
   Example: hdfs dfs -put C:/Users/Desktop/demo.txt /user

5. **get —** this command is used to copy the data from HDFS to the local file system. This command is the reverse of the 'put' command.
   Syntax: hdfs dfs -get <HDFS file path> <Local File Path>
   Example: hdfs dfs -get /user/demo.txt C:/Users/MyPC/Desktop/Files

6. **mv —** this command is used to move a file from one location to HDFS to another location in HDFS.
   Syntax: hdfs dfs -mv <Source HDFS path> <Destination HDFS path>
   Example: hdfs dfs -mv /mca/file,txt /user/

7. **cp —** this command is used to copy a file from one location to HDFS to another location within HDFS only.
   Syntax: hdfs dfs -cp <Source HDFS path> <Destination HDFS path>
   Example: hdfs dfs -mv /user/file,txt /mca/

8. **copyFromLocal —** this command is used to copy data from the local file system to HDFS.
   Syntax: hdfs dfs -copyFromLocal <Local File Path> <HDFS file path>
   Example: hdfs dfs -copyFromLocal C:/Users/MyPC/Desktop/demo.txt   /user/

9. **copyToLocal —** this command is used to copy data from HDFS to the local file system.

   Syntax: hdfs dfs -copyToLocal <HDFS file path> <Local File Path>

   Example: hdfs dfs -copyToLocal /user/demo.txt   C:/Users/MyPC/Desktop

10. **moveFromLocal —** this command is used for moving a file or directory from the local file system to HDFS.
    Syntax: hdfs dfs -moveFromLocal <Local File Path> <HDFS file path>
    Example: hdfs dfs -copyFromLocal C:/Users/MyPC/Desktop/demo.txt   /user/

11. **moveToLocal —** this command is used for moving a file or directory from HDFS to the local file system. This command is yet not implemented, but soon will be.

Syntax: hdfs dfs -moveToLocal <HDFS file path> <Local File Path>

Example: hdfs dfs -MoveToLocal /user/demo.txt   C: :/Users/MyPC/Desktop

12. **rm —** removes, this command is used to delete/remove a file from HDFS.
    Syntax: hdfs dfs -rm <HDFS file path>
    Example:hdfs dfs -rm \mca\demo.txt

13. **rmdir —** removes, this command is used to delete/remove a directory from HDFS.
    Syntax: hdfs dfs -rmdir <HDFS directory path>
    Example:hdfs dfs -rmdir \mca