

## TOP HADOOP HDFS COMMAND

1. To check all the services are running use `--- jps`
2. Two types of prefix `hdfs dfs` (specially with hdfs file system) and `hadoop fs` (to interact with other file system) in hadoop command
3. `hadoop fs -ls`
4. To display the content of a directory which is present in hdfs filesystem  
`hadoop fs -ls g`
5. To create directory in hdfs -- `hadoop fs -mkdir Prerna`
6. To create a file empty in hdfs -- `hadoop fs -touchz ap.txt`
7. To copy file from local to hdfs -- `hadoop fs -copyFromLocal f1.txt Prerna`
8. To check file content -- `hadoop fs -cat Prerna/f1.txt`
9. To copy file from hdfs to Local -- `hadoop fs -copyToLocal Prerna/f1.txt ~/Desktop/`
10. To send file from directory to other directory in hdfs -- `hadoop fs -cp source destination`
11. To move to file within hdfs directory -- `hadoop fs -mv source destination`
12. To check disk usage for each file in directory-- `hadoop fs -du source`
13. To test given destination is directory or not -- `hadoop fs -test -d destination`
14. To check is this directory or not -- `echo$?` If answer is 0 then it means it is directory else not
15. To check if destination exist or not in hdfs -- `hadoop fs -test -e destination`
16. To check if destination is file or not -- `hadoop fs -test -f destination`
17. To check given is empty or not -- `hadoop fs -test -z destination/xyz.txt`
18. To move file from local to hdfs -- `hadoop fs -moveFromLocal a2.txt destination/`
19. Merge file in hdfs and copy it into local -- `hadoop fs -getmerge -nl filename filename ~/Desktop/`
20. Append to file in hdfs -- `hadoop fs -appendToFile source source destination`
21. To check status of hdfs -- `hadoop fsck - /`
22. To check the directory,no. of file in that directory and size -- `hadoop fs -count directoryname`
23. To remove some file -- `hadoop fs -rm directory/filename`

24. Size of file -- Hadoop fs -stat %b directory/filename %r for replication %g for group %u for username %y for last modification
25. Hadoop fs - help any command work like man command in linux
26. Hadoop fs -head directory/filename give first kb of lines
27. Hadoop fs -expunge - to delete the file in trash
28. To change permission to a file - hadoop fs -chmod 777 filename
29. Hadoop fs -setrep -w 3 pathoffile -- to change the replication
30. Hadoop fs -truncate -w 100 filepathname - to reduce the size of lengthy long file
31. To add extra comment to the file - hadoop fs -setfattr -n 'user.ap' -v this is dummyfile filepath
32. hadoop fs -getfattr -d filepath - to get attribute