**Unix commands:**

* Know current working directory

pwd

* Change directory

cd

* List files present in a directory

ls

* List all files (including hidden files) in a directory

ls -la

* Create/edit a file in vi editor

Vi filename

* .bashrc file and how to apply that

./bashrc filename, source .bashrc, echo $filename

* Execute a command as admin

su -, sudo

* Change permission/ownership of a file or directory (recursively)

Chmod u+x filename, chmod 777 filename, chmod 666 filename

Chown , sudo chmod –R 666 mydir(denying permssion),

* Move a file/directory in another directory

mv dir/filename dir/

* Rename a file/directory

mv filename newfilename

* Delete a file or directory (recursively)

rm –r dir

* Locate a file

Whereis filename, locate fileanme, find

* Running a shell script

Sh filename.sh

* Create a zero byte file

Touch $filename

* Extract a tar file

Tar –xvf file.tar

* gzip and gunzip a file

gzip filename, gunzip filename.gz

* See the content of a gzip file

Tar –tf filename.tar.gz

Zcat filename.tar.gz

* See the head/tail of a file

Head filename, tail filename

* Disk usage of filesystem

Du filename/. Df , du –h desktop

**HDFS commands:**

**hadoop fs [generic options]**

**[-appendToFile <localsrc> ... <dst>]**

**[-cat [-ignoreCrc] <src> ...]**

**[-checksum <src> ...]**

**[-chgrp [-R] GROUP PATH...]**

**[-chmod [-R] <MODE[,MODE]... | OCTALMODE> PATH...]**

**[-chown [-R] [OWNER][:[GROUP]] PATH...]**

**[-copyFromLocal [-f] [-p] [-l] <localsrc> ... <dst>]**

**[-copyToLocal [-p] [-ignoreCrc] [-crc] <src> ... <localdst>]**

**[-count [-q] [-h] [-v] [-x] <path> ...]**

**[-cp [-f] [-p | -p[topax]] <src> ... <dst>]**

**[-createSnapshot <snapshotDir> [<snapshotName>]]**

**[-deleteSnapshot <snapshotDir> <snapshotName>]**

**[-df [-h] [<path> ...]]**

**[-du [-s] [-h] [-x] <path> ...]**

**[-expunge]**

**[-find <path> ... <expression> ...]**

**[-get [-p] [-ignoreCrc] [-crc] <src> ... <localdst>]**

**[-getfacl [-R] <path>]**

**[-getfattr [-R] {-n name | -d} [-e en] <path>]**

**[-getmerge [-nl] <src> <localdst>]**

**[-help [cmd ...]]**

**[-ls [-C] [-d] [-h] [-q] [-R] [-t] [-S] [-r] [-u] [<path> ...]]**

**[-mkdir [-p] <path> ...]**

**[-moveFromLocal <localsrc> ... <dst>]**

**[-moveToLocal <src> <localdst>]**

**[-mv <src> ... <dst>]**

**[-put [-f] [-p] [-l] <localsrc> ... <dst>]**

**[-renameSnapshot <snapshotDir> <oldName> <newName>]**

**[-rm [-f] [-r|-R] [-skipTrash] <src> ...]**

**[-rmdir [--ignore-fail-on-non-empty] <dir> ...]**

**[-setfacl [-R] [{-b|-k} {-m|-x <acl\_spec>} <path>]|[--set <acl\_spec> <path>]]**

**[-setfattr {-n name [-v value] | -x name} <path>]**

**[-setrep [-R] [-w] <rep> <path> ...]**

**[-stat [format] <path> ...]**

**[-tail [-f] <file>]**

**[-test -[defsz] <path>]**

**[-text [-ignoreCrc] <src> ...]**

**[-touchz <path> ...]**

**[-usage [cmd ...]]**

**Generic options supported are**

**-conf <configuration file> specify an application configuration file**

**-D <property=value> use value for given property**

**-fs <local|namenode:port> specify a namenode**

**-jt <local|resourcemanager:port> specify a ResourceManager**

**-files <comma separated list of files> specify comma separated files to be copied to the map reduce cluster**

**-libjars <comma separated list of jars> specify comma separated jar files to include in the classpath.**

**-archives <comma separated list of archives> specify comma separated archives to be unarchived on the compute machines.**

**The general command line syntax is**

**bin/hadoop command [genericOptions] [commandOptions]**

* List files present in a directory

Hadoop fs –ls dirname

* Create/edit a file
* Change permission/ownership of a file/directory (recursively)
* Hadoop fs –chmod
* Move a file in another directory

hadoop fs –moveFromLocal newfile2.txt /inputs

Rename a file

hadoop fs –mv /inputs/newfile2.txt /inputs/newfile.txt

* Delete a file or directory (recursively)

Hadoop fs –rm filename

* Locate a file

Hadoop fs –find filename

* Create a zero byte file

Hadoop fs –touchz filename

* See the content of a text/gzip file

Hadoop fs –text filename.txt.gz

* See the head/tail of a file

Hadoop fs –text /inputs/newfile2.text.gz | head -5 (no direct head command)

Tail newfile2.text.gz

* Disk usage of filesystem