PRACTICAL 3 : To Implement the following file management tasks in Hadoop:

→ **Adding files and directories.**

→**Retrieving files from HDFS to local file system.** ¬
→**Deleting Files from HDFS.**

```
[maria_dev@sandbox-hdp ~]$ hadoop fs -copyFromLocal u.data ml-100k/

[maria_dev@sandbox-hdp ~]$
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls ml-100k

Found 1 items
-rw-r--r--   1 maria_dev hdfs    2079229 2025-08-25 05:11 ml-100k/u.data
[maria_dev@sandbox-hdp ~]$
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls
Found 2 items
drwxr-xr-x   - maria_dev hdfs          0 2025-08-25 05:00 deepanshi
drwxr-xr-x   - maria_dev hdfs          0 2025-08-25 05:11 ml-100k
[maria_dev@sandbox-hdp ~]$ hadoop fs -rm ml-100k/u.data
25/08/25 05:13:51 INFO fs.TrashPolicyDefault: Moved: 'hdfs://sandbox-hdp.hortonw
orks.com:8020/user/maria_dev/ml-100k/u.data' to trash at: hdfs://sandbox-hdp.hor
tonworks.com:8020/user/maria_dev/.Trash/Current/user/maria_dev/ml-100k/u.data
[maria_dev@sandbox-hdp ~]$ ^C
[maria_dev@sandbox-hdp ~]$ hadoop fs -rmdir ml-100k
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls
Found 2 items
drwx------   - maria_dev hdfs          0 2025-08-25 05:13 .Trash
drwxr-xr-x   - maria_dev hdfs          0 2025-08-25 05:00 deepanshi
[maria_dev@sandbox-hdp ~]$ ^C
[maria_dev@sandbox-hdp ~]$ Hadoop fs
-bash: Hadoop: command not found
[maria_dev@sandbox-hdp ~]$ hadoop fs
Usage: 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] [-t [<storage type>]] [-u] <path> ...]
        [-cp [-f] [-p | -p[topax]] <src> ... <dst>]
        [-createSnapshot <snapshotDir> [<snapshotName>]]
        [-deleteSnapshot <snapshotDir> <snapshotName>]
        [-df [-h] [<path> ...]]
        [-du [-s] [-h] <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>]
```

```
        [-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] [-t [<storage type>]] [-u] <path> ...]
        [-cp [-f] [-p | -p[topax]] <src> ... <dst>]
        [-createSnapshot <snapshotDir> [<snapshotName>]]
        [-deleteSnapshot <snapshotDir> <snapshotName>]
        [-df [-h] [<path> ...]]
        [-du [-s] [-h] <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] [-safely] <src> ...]
        [-rmdir [--ignore-fail-on-non-empty] <dir> ...]
        [-setfacl [-R] [{-b|-k} {-m|-x <acl_spec>| <path>]|[--set <acl_spec> <pa
th>]]
        [-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> ...]
        [-truncate [-w] <length> <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 co
pied 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]

[maria_dev@sandbox-hdp ~]$ ^C
[maria_dev@sandbox-hdp ~]$ []
```