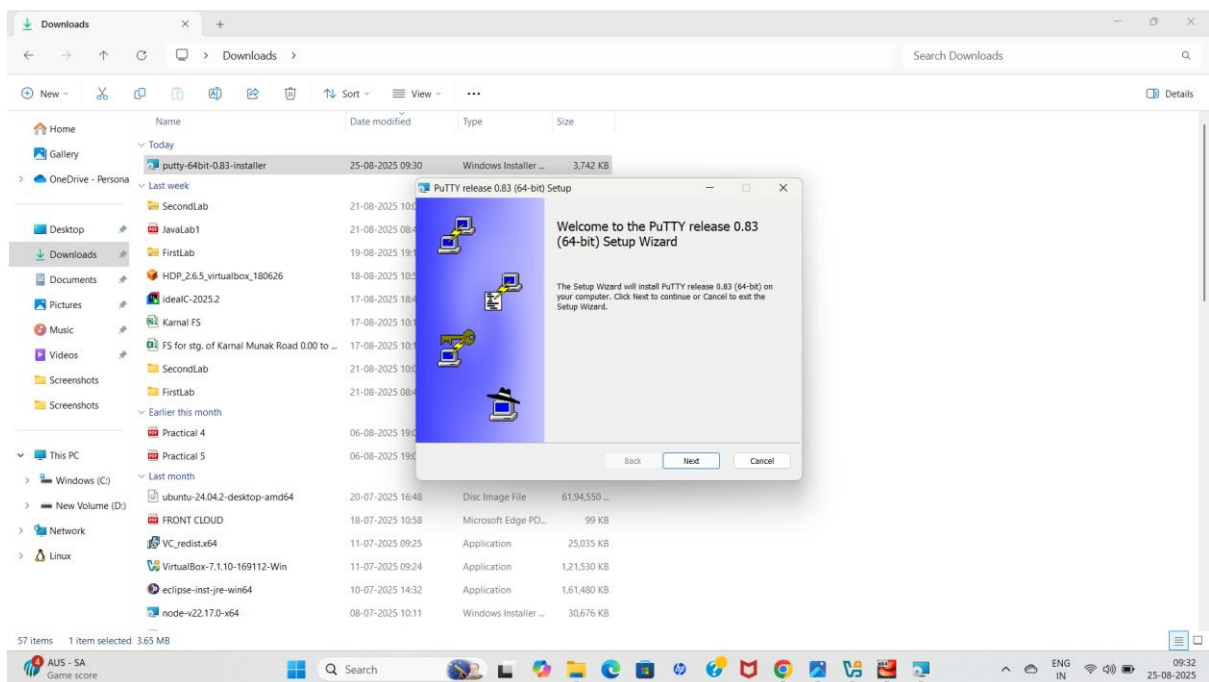
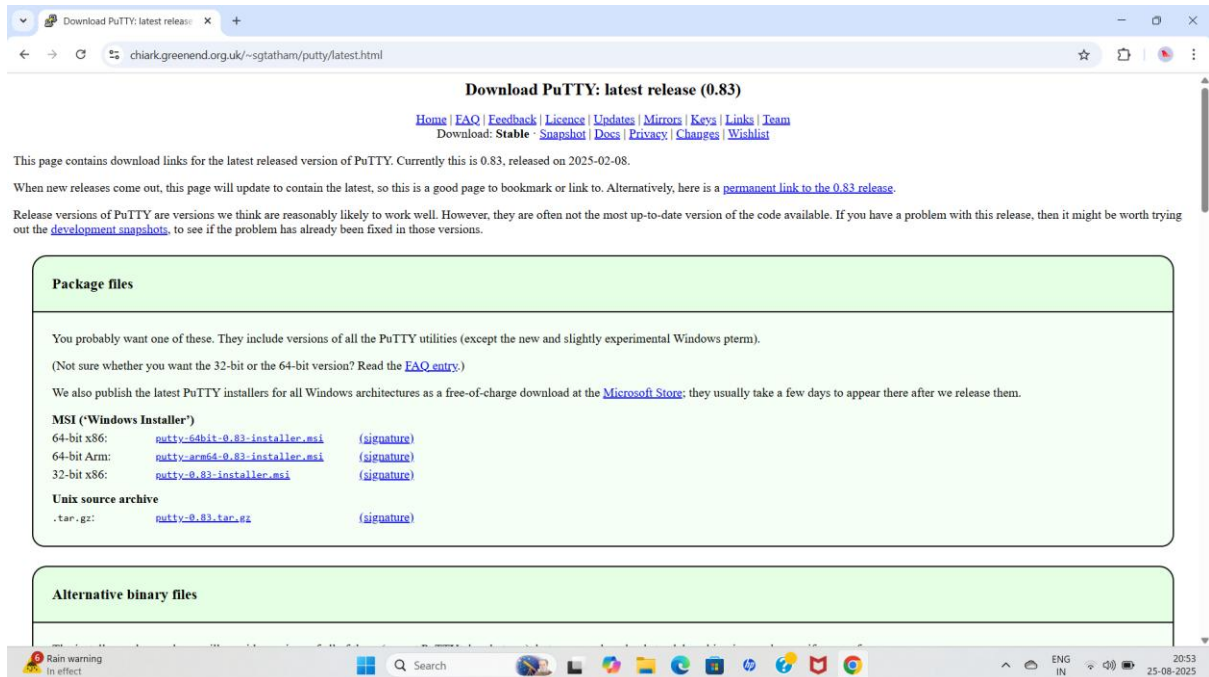
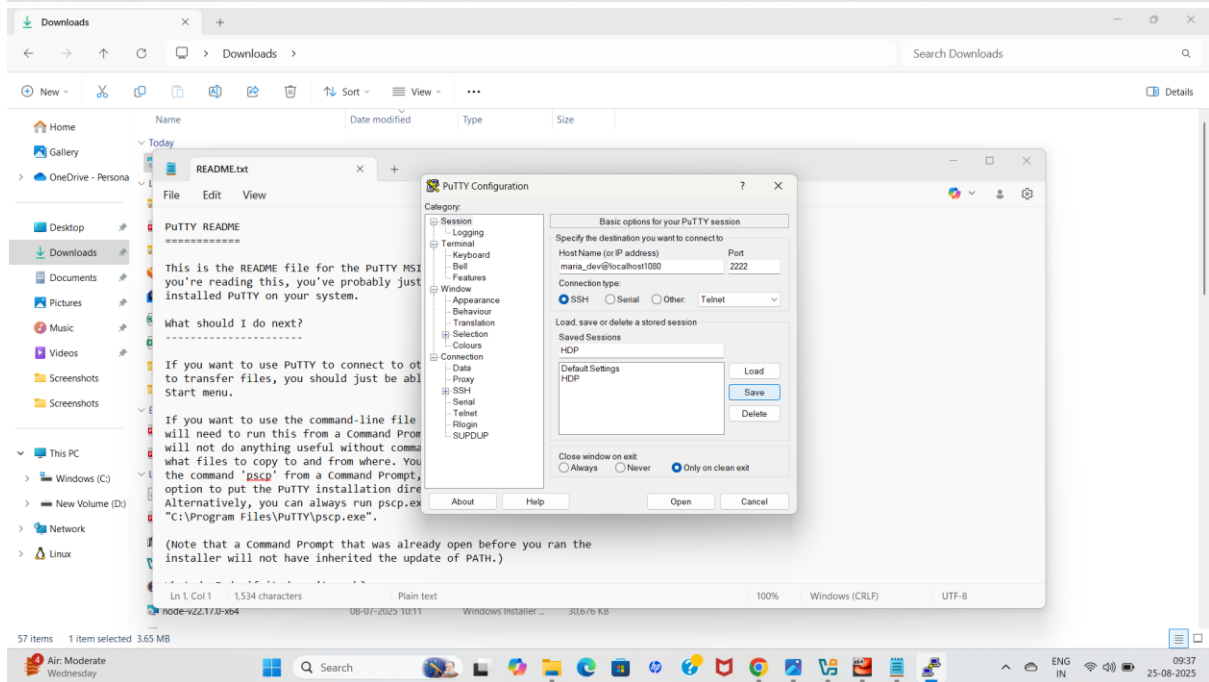
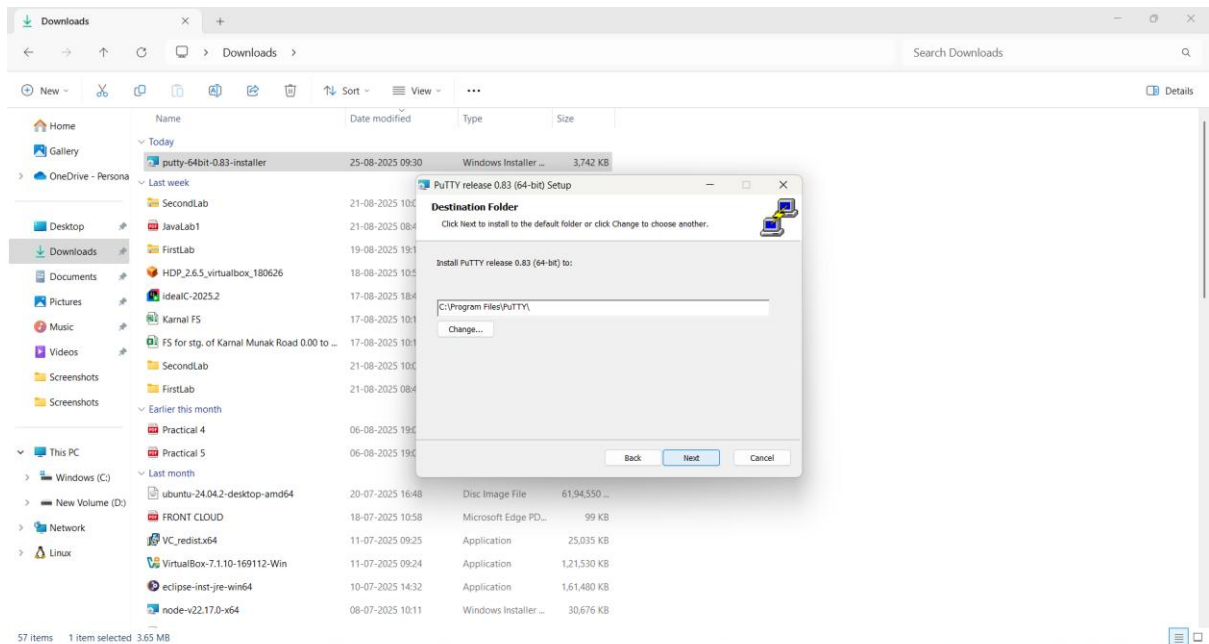


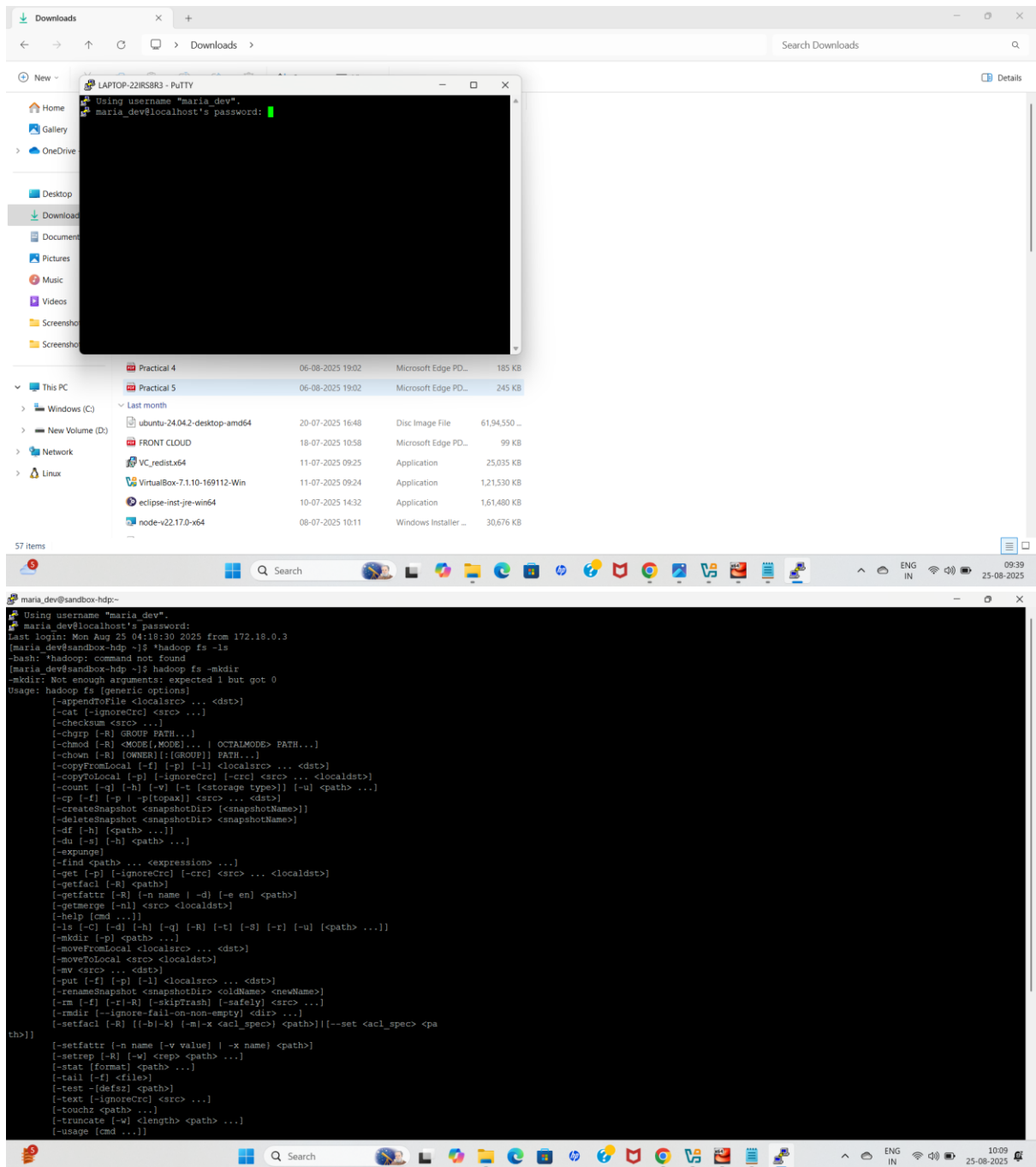
PRACTICAL NO – 3

AIM – Implement the following file management tasks in Hadoop:

- Adding Files and Directories
- Retriving Files from HDFS to local file system
- Deleting Files from HDFS.







```
maria_dev@sandbox-hdp:~$ man hdfs
[...]
```

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|resource-manager: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]
```

Usage: hadoop fs [generic options] -mkdir [-p] <path> ...

```
[maria_dev@sandbox-hdp ~]$ hadoop fs -ls
-bash: hadoop: command not found
[maria_dev@sandbox-hdp ~]$ ls
-bash: ls: command not found
[maria_dev@sandbox-hdp ~]$ pwd
/home/maria_dev
[maria_dev@sandbox-hdp ~]$ ls
[maria_dev@sandbox-hdp ~]$ wget http://media.sundog-soft.com/hadoop/ml-100k/u.data
--2025-08-25 04:42:07-- http://media.sundog-soft.com/hadoop/ml-100k/u.data
Resolving media.sundog-soft.com (media.sundog-soft.com)... 54.231.168.161, 54.231.194.241, 54.231.192.169, ...
Connecting to media.sundog-soft.com (media.sundog-soft.com)|54.231.168.161|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2079229 (2.0M) [application/octet-stream]
Saving to: 'u.data'

100%[=====] 2,079,229 2.24MB/s in 0.9s

2025-08-25 04:42:19 (2.24 MB/s) - 'u.data' saved [2079229/2079229]

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

```
[maria_dev@sandbox-hdp ~]$ ls
u.data u.data.1
[maria_dev@sandbox-hdp ~]$ hadoop fs -copyFromLocal u.data ml-100k/u.data
copyFromLocal: 'ml-100k/u.data': No such file or directory: 'hdfs://sandbox-hdp.hortonworks.com:8020/user/maria_dev/ml-100k/u.data'
[maria_dev@sandbox-hdp ~]$ ls
u.data u.data.1
[maria_dev@sandbox-hdp ~]$ hadoop fs -copyFromLocal u.data ml-100k/u.data
copyFromLocal: 'ml-100k/u.data': No such file or directory: 'hdfs://sandbox-hdp.hortonworks.com:8020/user/maria_dev/ml-100k/u.data'
[maria_dev@sandbox-hdp ~]$ ls
u.data u.data.1
[maria_dev@sandbox-hdp ~]$ wget http://media.sundog-soft.com/hadoop/ml-100k/u.data
--2025-08-25 04:59:30-- http://media.sundog-soft.com/hadoop/ml-100k/u.data
Resolving media.sundog-soft.com (media.sundog-soft.com)... 3.5.25.99, 52.217.165.33, 52.217.68.12, ...
Connecting to media.sundog-soft.com (media.sundog-soft.com)|3.5.25.99|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2079229 (2.0M) [application/octet-stream]
Saving to: 'u.data.2'

100%[=====] 2,079,229 2.08MB/s in 1.0s

2025-08-25 04:59:41 (2.08 MB/s) - 'u.data.2' saved [2079229/2079229]

[maria_dev@sandbox-hdp ~]$ ls
u.data u.data.1 u.data.2
[maria_dev@sandbox-hdp ~]$ hadoop fs -copyFromLocal u.data ml-100k/u.data
copyFromLocal: 'ml-100k/u.data': No such file or directory: 'hdfs://sandbox-hdp.hortonworks.com:8020/user/maria_dev/ml-100k/u.data'
[maria_dev@sandbox-hdp ~]$ ls
u.data u.data.1 u.data.2
[maria_dev@sandbox-hdp ~]$ hadoop fs -copyFromLocal u.data ml-100k/u.data.2
copyFromLocal: 'ml-100k/u.data.2': No such file or directory: 'hdfs://sandbox-hdp.hortonworks.com:8020/user/maria_dev/ml-100k/u.data.2'
[maria_dev@sandbox-hdp ~]$ ls
total 6120
drwxr-xr-x 1 maria_dev maria_dev 4096 Aug 25 04:59 .
drwxr-xr-x 1 root root 4096 Jun 18 2018 ..
-rw-r--r-- 1 maria_dev maria_dev 18 Sep 6 2017 .bash_logout
-rw-r--r-- 1 maria_dev maria_dev 193 Sep 6 2017 .bash_profile
-rw-r--r-- 1 maria_dev maria_dev 619 Jun 18 2018 .bashrc
-rw-rw-r-- 1 maria_dev maria_dev 2079229 Nov 11 2016 u.data
-rw-rw-r-- 1 maria_dev maria_dev 2079229 Nov 11 2016 u.data.1
-rw-rw-r-- 1 maria_dev maria_dev 2079229 Nov 11 2016 u.data.2
[maria_dev@sandbox-hdp ~]$ hadoop fs -copyFromLocal u.data.2 ml-100k/u.data.2
copyFromLocal: 'ml-100k/u.data.2': No such file or directory: 'hdfs://sandbox-hdp.hortonworks.com:8020/user/maria_dev/ml-100k/u.data.2'
[maria_dev@sandbox-hdp ~]$
```