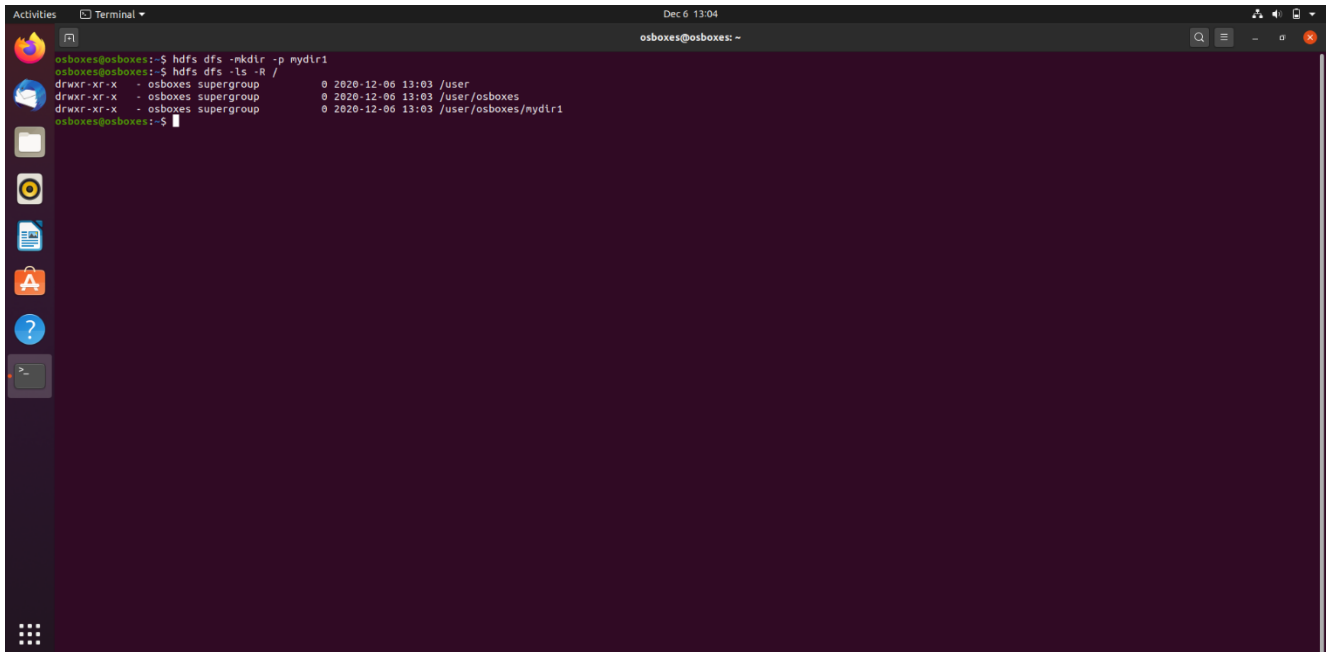


1. Create a directory on HDFS in your home directory.

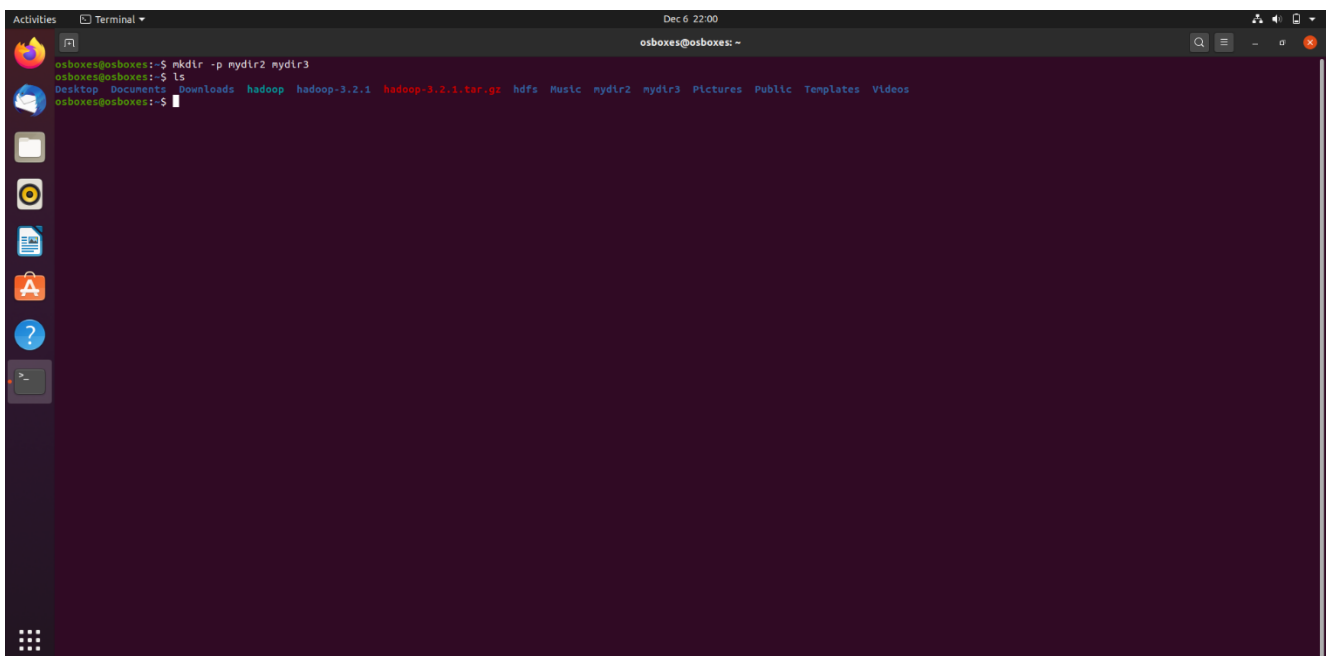
**Hdfs dfs -mkdir -p mydir1**

A terminal window titled 'Terminal' with a dark background. The prompt is 'osboxes@osboxes:~\$'. The command 'hdfs dfs -mkdir -p mydir1' is entered. The output shows the directory structure: 'drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user' and 'drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user/osboxes/mydir1'. The prompt returns to 'osboxes@osboxes:~\$'.

```
osboxes@osboxes:~$ hdfs dfs -mkdir -p mydir1
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user/osboxes/mydir1
osboxes@osboxes:~$
```

2. Create two more directories in a single command in your home directory.

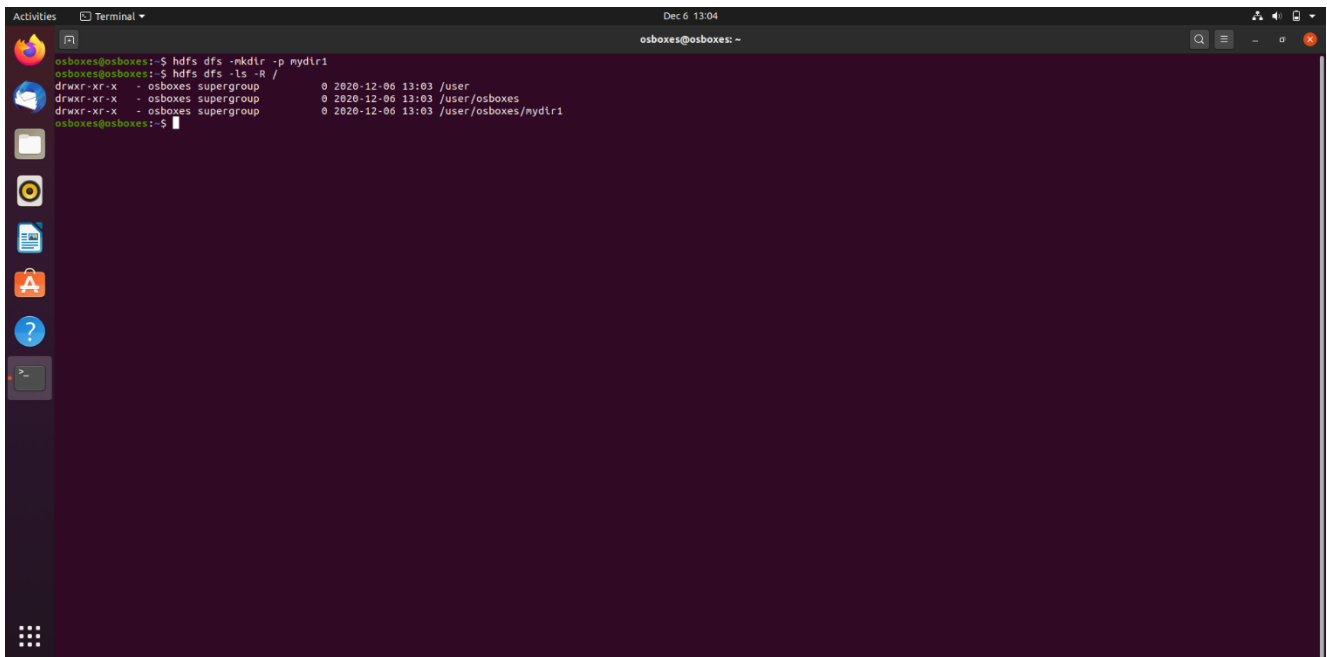
**mkdir -p mydir2 mydir3**

A terminal window titled 'Terminal' with a dark background. The prompt is 'osboxes@osboxes:~\$'. The command 'mkdir -p mydir2 mydir3' is entered. The output shows the directory structure: 'Desktop Documents Downloads hadoop hadoop-3.2.1 hadoop-3.2.1.tar.gz hdfs Music mydir2 mydir3 Pictures Public Templates Videos'. The prompt returns to 'osboxes@osboxes:~\$'.

```
osboxes@osboxes:~$ mkdir -p mydir2 mydir3
osboxes@osboxes:~$ ls
Desktop Documents Downloads hadoop hadoop-3.2.1 hadoop-3.2.1.tar.gz hdfs Music mydir2 mydir3 Pictures Public Templates Videos
osboxes@osboxes:~$
```

3. List the directories created in HDFS and check in what sort order are the contents listed by default?

**Hdfs dfs -ls -R /**



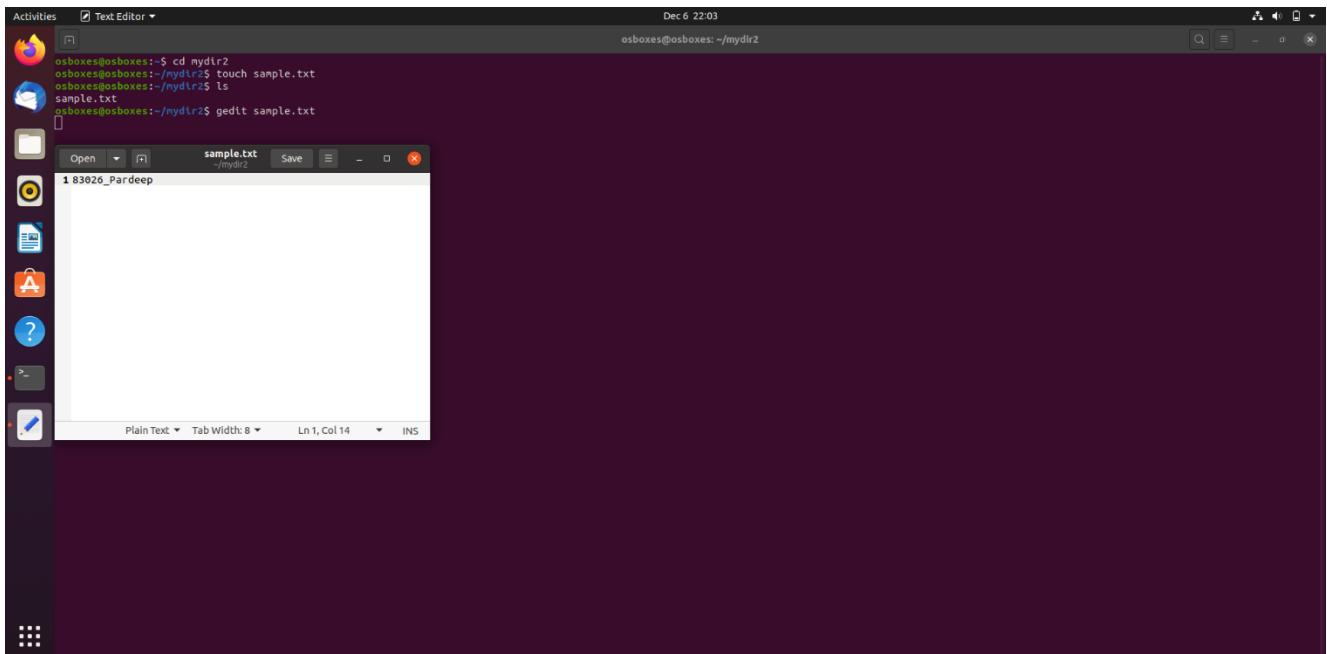
A terminal window titled 'Terminal' with a dark purple background. The prompt is 'osboxes@osboxes: ~'. The user enters the command 'hdfs dfs -mkdir -p mydir1'. Then they enter 'hdfs dfs -ls -R /'. The output shows a tree structure of HDFS directories. The root '/' contains 'user' and 'osboxes'. 'user' contains 'osboxes'. 'osboxes' contains 'supergroup'. 'supergroup' contains 'mydir1'. The permissions are 'drwxr-xr-x' for all directories. The timestamps are '0 2020-12-06 13:03'.

```
osboxes@osboxes:~$ hdfs dfs -mkdir -p mydir1
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x  - osboxes supergroup          0 2020-12-06 13:03 /user
drwxr-xr-x  - osboxes supergroup          0 2020-12-06 13:03 /user/osboxes
drwxr-xr-x  - osboxes supergroup          0 2020-12-06 13:03 /user/osboxes/mydir1
osboxes@osboxes:~$
```

4. Create a sample file (eg: sample.txt) in any of the directories created above.

**Cd mydir 2**

**Gedit sample.txt**



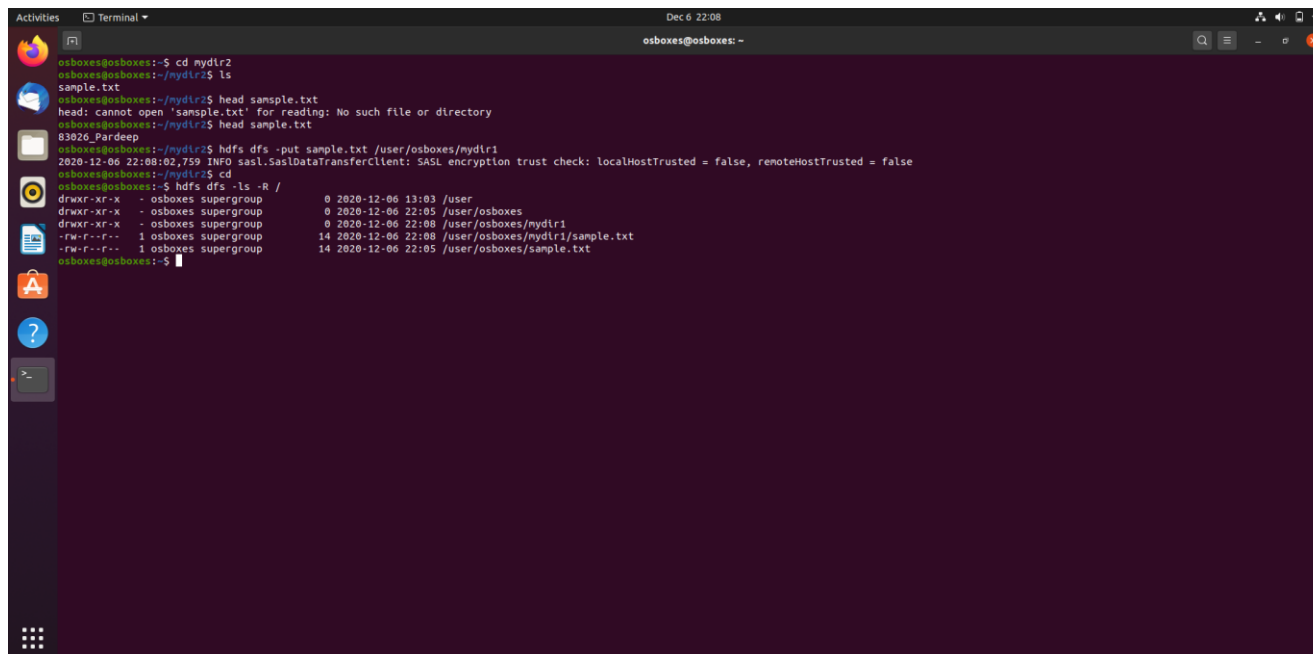
Two screenshots are shown. The top one is a terminal window titled 'Terminal' with a dark purple background. The prompt is 'osboxes@osboxes: ~'. The user enters 'cd mydir2'. Then they enter 'touch sample.txt'. Then they enter 'ls'. The output shows 'sample.txt'. Then they enter 'gedit sample.txt'. The bottom screenshot is a Gedit window titled 'sample.txt' with a white background. The text '1 83026\_Pardeep' is entered. The status bar at the bottom shows 'Plain Text', 'Tab Width: 8', 'Ln 1, Col 14', and 'INS'.

```
osboxes@osboxes:~$ cd mydir2
osboxes@osboxes:~/mydir2$ touch sample.txt
osboxes@osboxes:~/mydir2$ ls
sample.txt
osboxes@osboxes:~/mydir2$ gedit sample.txt
```

5. Copy a file from local file system to one of the directories created on HDFS. (This process of copying file from local file system to HDFS called as Uploading files to HDFS).

**Head sample.txt (to show some data to text file)**

**Hdfs dfs -put sample.txt /user/osboxes/mydir1**

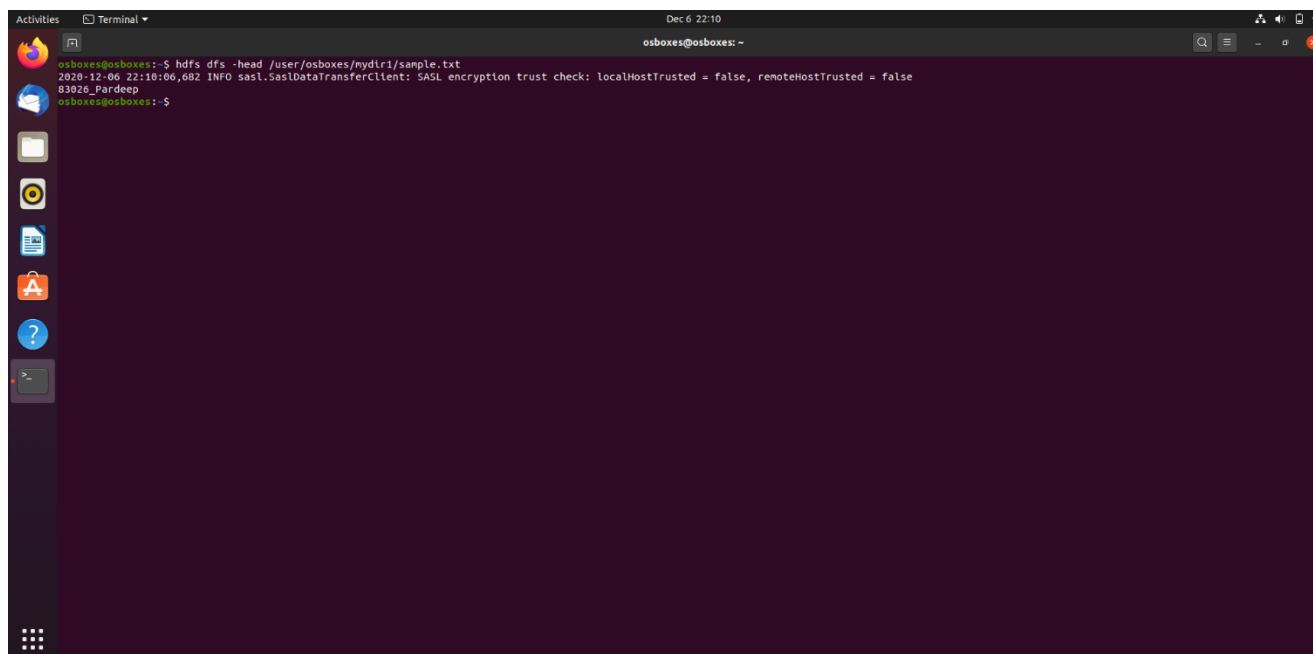


```
osboxes@osboxes:~$ cd mydir2
osboxes@osboxes:~/mydir2$ ls
sample.txt
osboxes@osboxes:~/mydir2$ head sample.txt
head: cannot open 'sample.txt' for reading: No such file or directory
osboxes@osboxes:~/mydir2$ head sample.txt
83026 Pardeep
osboxes@osboxes:~/mydir2$ hdfs dfs -put sample.txt /user/osboxes/mydir1
2020-12-06 22:08:02,759 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~/mydir2$ cd
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x  - osboxes supergroup          0 2020-12-06 13:03 /user
drwxr-xr-x  - osboxes supergroup          0 2020-12-06 22:05 /user/osboxes
drwxr-xr-x  - osboxes supergroup          0 2020-12-06 22:08 /user/osboxes/mydir1
-rw-r--r--  1 osboxes supergroup        14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r--  1 osboxes supergroup        14 2020-12-06 22:05 /user/osboxes/sample.txt
osboxes@osboxes:~$
```

6. View the uploaded file.

**Hdfs dfs -head /user/osboxes/mydir1/sample.txt**

**Hdfs dfs -cat /user/osboxes/mydir1/sample.txt**



```
osboxes@osboxes:~$ hdfs dfs -head /user/osboxes/mydir1/sample.txt
2020-12-06 22:10:06,682 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
83026 Pardeep
osboxes@osboxes:~$
```

7. Copy one more file from local file system to HDFS to another directory created.

**Hdfs dfs -put sample2.txt /user/osboxes/mydir2**

```
Activities Terminal Dec 6 22:25 osboxes@osboxes: -
osboxes@osboxes:~$ touch sample2.txt
osboxes@osboxes:~$ gedit sample2.txt
osboxes@osboxes:~$ hdfs dfs -put sample2.txt /user/osboxes/mydir2
2020-12-06 22:24:24,402 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:11 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:08 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:24 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir2/sample2.txt
osboxes@osboxes:~$ hdfs dfs -head /user/osboxes/mydir2/sample2.txt
2020-12-06 22:25:42,638 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
cdac is awesome.
I love the teaching way of mohit sir specially.
Its quite interesting and sir understands that its new to us so sir describe every single thing in detail.
osboxes@osboxes:~$
```

8. Copy a file from HDFS to local file system (This is called as Downloading a file from HDFS to local file system)

**Hdfs dfs -get /user/osboxes/mydir1/sample.txt**

```
Activities Terminal Dec 6 22:29 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -get /user/osboxes/mydir1/sample.txt
2020-12-06 22:29:12,541 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ ls
Desktop Documents Downloads hadoop hadoop-3.2.1 hadoop-3.2.1.tar.gz hdfs Music mydir2 mydir3 Pictures Public sample.txt Templates Videos
osboxes@osboxes:~$
```

9. Look at the contents in the file that is uploaded on HDFS.

**Hdfs dfs -head /user/osboxes/mydir2/sample2.txt**

```
Activities Terminal Dec 6 22:25 osboxes@osboxes: -
osboxes@osboxes:~$ touch sample2.txt
osboxes@osboxes:~$ gedit sample2.txt
osboxes@osboxes:~$ hdfs dfs -put sample2.txt /user/osboxes/mydir2
2020-12-06 22:24:24,402 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:11 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:08 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:24 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir2/sample2.txt
osboxes@osboxes:~$ hdfs dfs -head /user/osboxes/mydir2/sample2.txt
2020-12-06 22:25:42,638 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
cdac is awesome.
I love the teaching way of mohit sir specially.
Its quite intresting and sir understands that its new to us so sir describe every single thing in detail.
osboxes@osboxes:~$
```

10. Copy the file from one directory to another directory in HDFS.

**Hdfs dfs -cp /user/osboxes/mydir1/sample.txt /user/osboxes/mydir2**

```
Activities Terminal Dec 6 22:37 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:11 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:08 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:24 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir2/sample2.txt
osboxes@osboxes:~$ hdfs dfs -cp /user/osboxes/mydir1/sample.txt /user/osboxes/mydir2
2020-12-06 22:37:09,374 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
2020-12-06 22:37:09,486 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:11 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:08 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:37 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir2/sample2.txt
osboxes@osboxes:~$
```

11. Move the file from one directory to another directory in HDFS.

**Hdfs dfs -mv /user/osboxes/mydir2/sample.txt /user/osboxes/mydir1**

```
Activities Terminal Dec 6 22:39 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:11 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:08 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:37 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir2/sample2.txt
osboxes@osboxes:~$ hdfs dfs -mv /user/osboxes/mydir2/sample2.txt /user/osboxes/mydir1
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:11 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
osboxes@osboxes:~$
```

12. Copy a file from/To Local file system to HDFS. Use copyFromLocal and copyToLocal commands  
**Hdfs dfs -copyFromLocal /home/osboxes/sample.txt /user/osboxes/mydir3**  
**Hdfs dfs -copyToLocal /user/osboxes/mydir1/sample2.txt**

```
Activities Terminal Dec 6 22:46 osboxes@osboxes: -
osboxes@osboxes:~$ pwd
/home/osboxes
osboxes@osboxes:~$ hdfs dfs -copyFromLocal /home/osboxes/sample.txt /user/osboxes/mydir3
2020-12-06 22:44:52,467 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ hdfs dfs -copyToLocal /user/osboxes/mydir/sample2.txt
copyToLocal: /user/osboxes/mydir/sample2.txt: No such file or directory
osboxes@osboxes:~$ hdfs dfs -copyToLocal /user/osboxes/mydir1/sample2.txt
2020-12-06 22:46:34,663 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ ls
Desktop Documents Downloads hadoop hadoop-3.2.1 hadoop-3.2.1.tar.gz hdfs Music mydir2 mydir3 Pictures Public sample2.txt sample.txt Templates Videos
osboxes@osboxes:~$
```

13. Display last few lines from the file in HDFS.  
**Hdfs dfs -tail /user/osboxes/sample2.txt**

```
Activities Terminal Dec 6 22:48 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ hdfs dfs -tail /user/osboxes/mydir1/sample2.txt
tail: /user/osboxes/mydir1/sample2.txt: No such file or directory
osboxes@osboxes:~$ hdfs dfs -tail /user/osboxes/mydir1/sample.txt
2020-12-06 22:48:51,989 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
cdac is awesome.
I love the teaching way of mohit sir specially.
Its quite interesting and sir understands that its new to us so sir describe every single thing in detail.
osboxes@osboxes:~$
```

14. Display the size of the file in KB and MB in the HDFS.

**Hdfs dfs -ls -h /user/osboxes/mydir1/sample.txt**

```
Activities Terminal Dec 6 22:53 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
^[[osboxes@osboxes:~$ hdfs dfs -ls -h /user/osboxes/mydir1/sample2.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir1/sample2.txt
osboxes@osboxes:~$
```

15. Append a file from Local File to system to file on HDFS

**Hdfs dfs -appendToFile sample.txt mydir1/sample2.txt**

```
Activities Terminal Dec 6 23:46 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 171 2020-12-06 22:24 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ ls
Desktop Documents Downloads hadoop hadoop-3.2.1 hadoop-3.2.1.tar.gz hdfs Music mydir2 mydir3 Pictures Public sample2.txt sample.txt Templates Videos
osboxes@osboxes:~$ hdfs dfs -appendToFile sample.txt mydir1/sample2.txt
2020-12-06 23:45:43,676 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ hdfs dfs -cat mydir1/sample2.txt
2020-12-06 23:46:11,160 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
cdac is awesome.
I love the teaching way of nohit sir specially.
Its quite intresting and sir understands that its new to us so sir describe every single thing in detail.
osboxes@osboxes:~$
```

16. Merge two file contents (files present on HDFS) in to one file (this file should be present on Local file system)

**Hdfs dfs -getmerge /user/osboxes/mydir1 sample3.txt**

```
Activities Terminal Dec 7 00:07 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 185 2020-12-06 23:45 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 3 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ hdfs dfs -getmerge /user/osboxes/mydir1 sample3.txt
2020-12-07 00:06:53,917 INFO sasl.SaslDataTransferClient: SASL encryption trust check: localhostTrusted = false, remoteHostTrusted = false
osboxes@osboxes:~$ ls
Desktop Documents Downloads hadoop hadoop-3.2.1 hadoop-3.2.1.tar.gz hdfs Music mydir2 mydir3 Pictures Public sample2.txt sample3.txt sample.txt Templates Videos
osboxes@osboxes:~$ cat sample3.txt
83026 Pardeep
cdac is awesome.
I love the teaching way of nohit sir specially.
Its quite intresting and sir understands that its new to us so sir describe every single thing in detail.
83026 Pardeep
osboxes@osboxes:~$
```

18. Set the replication to the file created to 4

**Hdfs dfs -setrep -w 3 mydir/sample.txt**



```
Activities Terminal ▾ Dec 6 23:54 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 185 2020-12-06 23:45 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ hdfs dfs -setrep -w 3 mydir3/sample.txt
Replication 3 set: mydir3/sample.txt
Waiting for mydir3/sample.txt .....
```

19. Remove a file from the directory in HDFS.  
**Hdfs dfs -rm /user/osboxes/sample.txt**

```
Activities Terminal ▾ Dec 7 00:29 osboxes@osboxes: -
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 185 2020-12-06 23:45 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:44 /user/osboxes/mydir3
-rw-r--r-- 3 osboxes supergroup 14 2020-12-06 22:44 /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ hdfs dfs -rm /user/osboxes/mydir3/sample.txt
Deleted /user/osboxes/mydir3/sample.txt
osboxes@osboxes:~$ hdfs dfs -ls -R /
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt
-rw-r--r-- 1 osboxes supergroup 185 2020-12-06 23:45 /user/osboxes/mydir1/sample2.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt
drwxr-xr-x - osboxes supergroup 0 2020-12-07 00:29 /user/osboxes/mydir3
osboxes@osboxes:~$
```

20. Remove a directory in HDFS.  
**Hdfs dfs -rm -R /user/osboxes/mydir3**

```
Activities Terminal ▾ Dec 7 00:31 osboxes@osboxes: -  
osboxes@osboxes:~$ hdfs dfs -ls -R /  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:41 /user/osboxes  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1  
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt  
-rw-r--r-- 1 osboxes supergroup 185 2020-12-06 23:45 /user/osboxes/mydir1/sample2.txt  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2  
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt  
drwxr-xr-x - osboxes supergroup 0 2020-12-07 00:29 /user/osboxes/mydir3  
osboxes@osboxes:~$ hdfs dfs -rm /user/osboxes/mydir3  
rm: /user/osboxes/mydir3: Is a directory  
osboxes@osboxes:~$ hdfs dfs -rm -R /user/osboxes/mydir3  
Deleted /user/osboxes/mydir3  
osboxes@osboxes:~$ hdfs dfs -ls -R /  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 13:03 /user  
drwxr-xr-x - osboxes supergroup 0 2020-12-07 00:30 /user/osboxes  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir1  
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:08 /user/osboxes/mydir1/sample.txt  
-rw-r--r-- 1 osboxes supergroup 185 2020-12-06 23:45 /user/osboxes/mydir1/sample2.txt  
drwxr-xr-x - osboxes supergroup 0 2020-12-06 22:39 /user/osboxes/mydir2  
-rw-r--r-- 1 osboxes supergroup 14 2020-12-06 22:37 /user/osboxes/mydir2/sample.txt  
osboxes@osboxes:~$
```