#Assignment:Linux_basics

#referral_id:DIRSS3134

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Q1 create a folder called as test inside /location in case the folder is already available then don't show an error.

```
-bash-4.1$ hadoop dfs -mkdir Test
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-bash-4.1$ hadoop dfs -mkdir Test
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mkdir: `Test': File exists
-bash-4.1$ hadoop dfs -mkdir -p Test
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-bash-4.1$ ^C
```

Q2 create a file data.txt inside local system, check its permission, timestamp while copying the same file the file should have the same permission, owner & timestamp when we copy the file into the hadoop /test location.

```
-bash-4.1$ touch newdata.txt
-bash-4.1$ stat newdata.txt
  File: `newdata.txt'
  Size: 0              Blocks: 0          IO Block: 4096   regular empty file
Device: fd00h/64768d    Inode: 3144481    Links: 1
Access: (0664/-rw-rw-r--)  Uid: (  492/    hdfs)  Gid: (  491/    hdfs)
Access: 2022-08-16 07:36:41.700008001 -0700
Modify: 2022-08-16 07:34:47.205008002 -0700
Change: 2022-08-16 07:34:47.205008002 -0700
-bash-4.1$

-bash-4.1$ hadoop dfs -chmod 664 /18aug/newdata.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-bash-4.1$ hadoop dfs -ls -u /18aug/newdata.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-rw-rw-r--   1 hdfs supergroup          0 2022-08-16 07:36 /18aug/newdata.txt
-bash-4.1$
```

Q3 create a empty file & delete it but make sure at deleting the file it should not go inside the trash folder.

```
-bash-4.1$ hadoop dfs -touchz learn
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-bash-4.1$ hadoop dfs -rm -skipTrash learn
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Deleted learn
-bash-4.1$ █
```

Q4 When you try to copy the file, replication is set to 1 Now at the time of copying the file make sure the replication of the file should be made as 3

```
-bash-4.1$ touch date
-bash-4.1$ touch date.txt
-bash-4.1$ hadoop dfs -copyFromLocal date.txt /18aug/
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-bash-4.1$ hadoop dfs -ls /18aug
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Found 1 items
-rw-r--r--   1 hdfs supergroup          0 2022-08-16 06:24 /18aug/date.txt
-bash-4.1$ hadoop dfs -setrep -w 3 date.txt /18aug/
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

setrep: `date.txt': No such file or directory
Replication 3 set: /18aug/date.txt
Waiting for /18aug/date.txt ... done
-bash-4.1$ hadoop dfs -ls /18aug
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Found 1 items
-rw-r--r--   3 hdfs supergroup          0 2022-08-16 06:24 /18aug/date.txt
```

Q5 Then verify the same thing, like how many block, replication of the file we have in the above question

```
-bash-4.1$ hadoop dfs -stat %r /18aug/date.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

3
-bash-4.1$ hadoop dfs -stat %o /18aug/date.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

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```

Q6 In Q4 also try to find out the number of file, folder, & the storage used in the location of Q4

```
-bash-4.1$ hadoop dfs -count -v /18aug
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

   DIR_COUNT   FILE_COUNT       CONTENT_SIZE PATHNAME
           1            1                  0 /18aug
```