

Task-15

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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$  
-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.  
  
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.
```

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$ hadoop dfs -touchz /data.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 /
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Found 11 items
drwxr-xr-x - hdfs supergroup          0 2022-08-11 08:48 /11August
drwxr-xr-x - hdfs supergroup          0 2022-08-15 02:02 /1Aug
drwxr-xr-x - hdfs supergroup          0 2022-08-14 06:35 /3aug
-rw-r--r-- 1 hdfs supergroup          0 2022-08-18 01:01 /data.txt
-rw-r--r-- 1 hdfs supergroup          0 2022-08-15 02:03 /file.txt
drwxr-xr-x - hbase supergroup         0 2022-08-10 17:12 /hbase
drwxr-xr-x - solr solr                0 2015-06-09 03:38 /solr
drwxr-xr-x - hdfs supergroup          0 2022-08-12 06:07 /test
drwxrwxrwx - hdfs supergroup          0 2022-08-11 02:41 /tmp
drwxr-xr-x - hdfs supergroup          0 2022-08-11 08:48 /user
drwxr-xr-x - hdfs supergroup          0 2015-06-09 03:36 /var
-bash-4.1$
-bash-4.1$
-bash-4.1$ hadoop dfs -ls /data.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

-rw-r--r-- 1 hdfs supergroup          0 2022-08-18 01:01 /data.txt
-bash-4.1$ stat data.txt
  File: `data.txt'
  Size: 4096          Blocks: 8          IO Block: 4096   directory
Device: fd00h/64768d Inode: 1312682     Links: 2
Access: (0775/drwxrwxr-x)  Uid: ( 495/   hdfs)   Gid: ( 494/   hdfs)
Access: 2022-08-17 08:34:12.931247734 -0700
Modify: 2022-08-17 08:34:12.931247734 -0700
Change: 2022-08-17 08:34:12.931247734 -0700
-bash-4.1$
-bash-4.1$ hadoop dfs -copyFromLocal data.txt /3aug
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

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

-rw-r--r-- 1 hdfs supergroup          0 2022-08-18 01:01 /data.txt
-bash-4.1$ stat data.txt
  File: `data.txt'
  Size: 4096          Blocks: 8          IO Block: 4096   directory
Device: fd00h/64768d Inode: 1312682     Links: 2
Access: (0775/drwxrwxr-x)  Uid: ( 495/   hdfs)   Gid: ( 494/   hdfs)
Access: 2022-08-18 01:05:37.664760576 -0700
Modify: 2022-08-17 08:34:12.931247734 -0700
Change: 2022-08-17 08:34:12.931247734 -0700
-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$  
-bash-4.1$ hadoop fs -touchz /sample.txt  
-bash-4.1$ hadoop fs -rm -skipTrash /sample.txt  
Deleted /sample.txt  
-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 file.txt  
-bash-4.1$ hdfs dfs -setrep -w 3 /user/hdfs/file.txt  
setrep: `/user/hdfs/file.txt': No such file or directory  
-bash-4.1$ hadoop dfs -setrep -w 3 /3aug  
DEPRECATED: Use of this script to execute hdfs command is deprecated.  
Instead use the hdfs command for it.  
  
-bash-4.1$ hadoop dfs -ls /  
DEPRECATED: Use of this script to execute hdfs command is deprecated.  
Instead use the hdfs command for it.  
  
Found 8 items  
drwxr-xr-x - hdfs supergroup 0 2022-08-11 08:48 /11August  
drwxr-xr-x - hdfs supergroup 0 2022-08-14 06:20 /3aug  
drwxr-xr-x - hbase supergroup 0 2022-08-10 17:12 /hbase  
drwxr-xr-x - solr solr 0 2015-06-09 03:38 /solr  
drwxr-xr-x - hdfs supergroup 0 2022-08-12 06:07 /test  
drwxrwxrwx - hdfs supergroup 0 2022-08-11 02:41 /tmp  
drwxr-xr-x - hdfs supergroup 0 2022-08-11 08:48 /user  
drwxr-xr-x - hdfs supergroup 0 2015-06-09 03:36 /var  
-bash-4.1$  
-bash-4.1$ hadoop dfs -ls /3aug  
DEPRECATED: Use of this script to execute hdfs command is deprecated.  
Instead use the hdfs command for it.
```

```

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

-bash-4.1$ hadoop dfs -ls /3aug
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 2022-08-14 06:35 /3aug/file.txt
-bash-4.1$ hadoop dfs -setrep -w 3 /3aug/file.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

Replication 3 set: /3aug/file.txt
Waiting for /3aug/file.txt ... done
-bash-4.1$ hadoop dfs -ls /3aug
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 2022-08-14 06:35 /3aug/file.txt
-bash-4.1$ █

```

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

```

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

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

0

```

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

```
-bash-4.1$  
-bash-4.1$ hadoop dfs -count -q /3aug  
DEPRECATED: Use of this script to execute hdfs command is deprecated.  
Instead use the hdfs command for it.  
  
      none      inf      none      inf      1  
      1          0 /3aug  
-bash-4.1$ hadoop dfs -df -h /3aug  
DEPRECATED: Use of this script to execute hdfs command is deprecated.  
Instead use the hdfs command for it.  
  
Filesystem              Size  Used  Available  Use%  
hdfs://quickstart.cloudera:8020      0      0           0  NaN%  
-bash-4.1$ █
```