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

-bash-4.$ hadoop dfs - Is /
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for zt.

Found 1 1te¥s
drux r-x r-x      hdfs    supe rgroup        0 2022-08-11 08:48 /11August
d rvx r - x r - x - hdfs  supe rgroup        0 2022 - 08 - l5 02 : 02 / 1Auq
d rux r - x r - x hdfs supe rgroup           0 2022—08—14 06:35 /3auq
- re- r - - r - - T hdfs supergroup          0 2022—08—l8  0 I : 0 I /data .txt
- re- r - - r - -    hdfs   supe rgroup      0 2022 - 08 - 15 02 : 03 /file .txt
d rux r - x r - x - x hbase supe rgroup      0 2022—08—10 17 : 12 /hbase
drvx r -x r -x - sobr  sobr                  0  2015 -06 -09  03:38  /sot r
d rux r - x r - x  hdfs   supe rgroup        0 2022—08—12 06 : 07 /test
d rvx rwx rwx   - hdfs  supe rgroup          0 2022 - 08 - 11 02 : 4 l /tip
d rux r —x r —x  - hdfs supe rgroup          0 2022—08—11 08 : 48 /use r
d rvx r - x r - x - hdfs supe rgroup         0 20 l5 - 06 - 09 03 : 36 /va r
-bash-4.l$
- bash - 4. $
-bash-4.l$ hadoop dfs -is /data.txt
DEPRE CATED : Use of th1s sc r1pt to execute hdfs command 1s dep r eca ted .
Instead use the hdfs command for zt.

- re- r - - r - -    hdfs  supe rgroup           0 2022 - 08 - l8 0 l : 0 l /data . txt
-bash-4.l$ stat data.txt
  File: data.txt'
  Size: 4096       Blocks: 8        10 Block: 4096   directory
Device: fd00h/6476Bd     Inode: lZl26B2      Links: 2
Access: f077S/drwxrwxr-x) Uid: f  495/     hdfs)   lid: f  494/   hdfs)
Access: 2022-08-17  08:34:12.931247734 -0700
l-lodi I y: 2022—08—17 08:34:12.931247734 —0700
Chanqe: 2022-08-17  08:34:12.931247734 -0700
-bash-4.lG
- bash —4. I$ hadoop dfs —copy F ro¥Local data. txt /3aug
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

- bash —4. I$ hadoop  dfs —is   /data .txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

—rw—r——r—— l hdfs super group           0 2022-0B-lB 01:01 /data.txt
-bash-4.l$ stat data.txt
  Flue: " data. txt '
  51ze: 4096          Blocks: B         IO Block: 4096    d1rectory
Dev1ce: fd00h/6476Bd     I node: 13I26B2      L1nks: 2
Access: (0775/drwxrwxr-x) U1d: ( 495/    hdfs)   G1d: (  494/    hdfs)
Access: 2022-0B-IB 0I:05:37.664760576 -0700
t-lod1fy: 2022—0B—17 0B:34:12.931247734 —0700
Change: 2022-0B-I7 0B:34:12.931247734 -0700
-bash-4.l$
```

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 1Now 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$ ▌
```