# **Assignment – HDFS**

View the contents of the user's root
 Is -a

#### output:

```
[anabig11425@ip-10-1-1-204 ~]$ ls -a
. .bash_history .bash_profile kohil purplecow tscm
. .bash_logout .bashrc __.oracle_jre_usage rcb .viminfo
```

Create a directory named test in HDFS hdfs dfs -mkdir test

#### output:

```
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -ls
```

3. Verify the folder was created successfully hdfs dfs -ls

### output:

4. Create a couple of subdirectories of test:

```
test/test1
test/test2
test/test2/test3
hdfs dfs -mkdir test/test1
hdfs dfs -mkdir test/test2
hdfs dfs -mkdir test/test2
```

### output:

```
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -mkdir test/test1
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -mkdir test/test2
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -mkdir test/test2/test3
```

5. View the contents of the user's root recursively **Is -R** 

### output:

```
[anabig11425@ip-10-1-1-204 ~]$ ls -R
.:
kohil purplecow rcb tscm
```

6. Delete the **test2** folder **hdfs dfs -rmdir test2** 

### output:

```
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -rmdir test/test2
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -ls test
Found 1 items
drwxr-xr-x - anabig11425 anabig11425 0 2022-04-12 12:16 test/test1
```

7. Create a new directory sics on HDFS.

hdf dfs -mkdir sics

### output:

```
[anabig11425@ip-10-1-1-204 \sim]$ hdfs dfs -mkdir sics [anabig11425@ip-10-1-1-204 \sim]$ \square
```

8. Create a file, name it big, on your local filesystem and upload it to HDFS under sics.

vi big

hdfs dfs -put big sics

# output:

9. View the content of sics directory.

hdfs dfs - Is sics

### output:

```
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -ls sics
Found 1 items
-rw-r--r- 3 anabig11425 anabig11425 0 2022-04-12 12:30 sics/big
```

10. Determine the size of big on HDFS.

hdfs dfs -du -h sics/big

## output:

11. Print the first 5 lines to screen from big on HDFS.

hdfs dfs -cat sics/big | head -n 5

#### output:

12. Copy big to big hdfscopy on HDFS.

hdfs dfs -cp sics/big sics/big\_hdfscopy

### output:

13. Copy big back to local filesystem and name it big localcopy.

hdfs dfs -get sics/big big\_localcopy

## output:

[anabig11425@ip-10-1-1-204  $\sim$ ]\$ hdfs dfs -get sics/big big\_localcopy

14. Check the entire HDFS filesystem for inconsistencies/problems. hdfs fsck

output:

15. Delete big from HDFS.

hdfs dfs -rm sics/big

# output:

[anabig11425@ip-10-1-1-204 ~]\$ hdfs dfs -rm sics/big 22/04/12 12:59:12 INFO fs.TrashPolicyDefault: Moved: 'hdfs://nameservicel/user/anabig11425/sics/big' to trash at: hdfs://nameservicel/user/anabig11425/.Trash/Current/user/anabig11425/sics/big

16. 16. Delete /sics directory from HDFS.

hdfs dfs -rm ir sics

# output:

```
[anabig11425@ip-10-1-1-204 ~]$ hdfs dfs -rm ir sics rm: `ir': No such file or directory rm: `sics': Is a directory
```