## BASIC HDFS COMMANDS ASSIGNMENT ANUSHA A MANAMI-1NT18IS031 6<sup>TH</sup> SEM 'A' SEC ISE

- 1)Create a directory named by your name.
- 2) Add two empty files into it.
- 3)List all the files in the directory that you have created.

```
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -mkdir anusha
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -touchz empty1.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -touchz empty2.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -ls
Found 3 items
drwxr-xr-x - hdoop supergroup
                                        0 2021-05-12 13:42 anusha
                                        0 2021-05-12 13:42 empty1.txt
-rw-r--r-- 1 hdoop supergroup
                                    0 2021-05-12 13:43 empty2.txt
-rw-r--r-- 1 hdoop supergroup
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -touchz anusha/empty1.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -touchz anusha/empty2.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -ls anusha/
Found 2 items
                                         0 2021-05-12 13:44 anusha/empty1.txt
- FW- F-- F--
             1 hdoop supergroup
             1 hdoop supergroup
                                         0 2021-05-12 13:44 anusha/emptv2.txt
- FW - F - - F - -
```

4) Create one more directory by your usn and put that inside the directory of your name.

```
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -mkdir 1NT18IS031
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -mv 1NT18IS031 anusha/
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -ls anusha/
Found 3 items
drwxr-xr-x - hdoop supergroup 0 2021-05-12 13:57 anusha/1NT18IS031
-rw-r--r- 1 hdoop supergroup 0 2021-05-12 13:44 anusha/empty1.txt
-rw-r--r- 1 hdoop supergroup 0 2021-05-12 13:44 anusha/empty2.txt
```

5)Create a file in your local system by the name\_usn.txt and add the contents as "Syntax to list Is command is Hadoop fs -Is.

```
hdoop@ubuntu:~$ gedit anusha_1NT18IS031.txt
hdoop@ubuntu:~$
hdoop@ubuntu:~$ cd_badoop-3_2_1/ship
```

6) Put the file name\_usn.txt in your hdfs directory called usn.

7) Put empty file of hdfs into the local file system.

```
| hdoopglubuntur-/hadop-3.2.1/abis hadoop fs -toucht empty.txt |
hdoopglubuntur-/hadop-3.2.1/abis hadoop fs -toucht empty.txt |
hdoopglubuntur-/hadop-3.2.1/abis fs ladoop fs -toucht empty.txt |
hdoopglubuntur-/hadop-3.2.1/abis fs ladoop fs -toucht empty.txt |
choopglubuntur-/hadop-3.2.1/abis fs ladoop dearons.b |
hdoopglubuntur-/hadop-3.2.1/abis fs ladoopuntur-/hadop-3.2.1/abis fs ladoopuntur-
```

8) Use my command to move files from local file system to hdfs file system.

9) Experiment of cp command.

```
ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -ls
Found 7 items
drwxr-xr-x - hdoop supergroup
                                         0 2021-05-12 13:58 anusha
           1 hdoop supergroup
                                         0 2021-05-12 14:28 empty.txt
- rw-r--r--
            1 hdoop supergroup
1 hdoop supergroup
                                         0 2021-05-12 13:42 empty1.txt
- rw-r--r--
                                         0 2021-05-12 13:43 empty2.txt
- rw-r--r--
drwxr-xr-x
            - hdoop supergroup
                                         0 2021-05-12 15:31 manami
drwxr-xr-x
            - hdoop supergroup
                                         0 2021-05-12 15:32 new
           1 hdoop supergroup
                                         0 2021-05-12 15:29 new.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -cp anusha/empty1.txt new/file.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -ls new/
Found 1 items
- rw- r--r--
                                        0 2021-05-12 15:32 new/file.txt
            1 hdoop supergroup
```

10) Display the total size of all the files in name directory.

```
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -du -s anusha/
44 44 anusha
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -ls anusha/
Found 3 items
drwxr-xr-x - hdoop supergroup
                                         0 2021-05-12 14:22 anusha/1NT18IS031
            1 hdoop supergroup
                                        0 2021-05-12 13:44 anusha/empty1.txt
- - W - C - - C - -
-rw-r--r-- 1 hdoop supergroup
                                        0 2021-05-12 13:44 anusha/empty2.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -du -s anusha/1NT18IS031
44 44 anusha/1NT18IS031
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -du -s anusha/empty1.txt
0 0 anusha/empty1.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -du -s anusha/empty2.txt
0 0 anusha/empty2.txt
```

11) Display each file size in usn directory.

```
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -du anusha/1NT18IS031
44 44 anusha/1NT18IS031/anusha_1NT18IS031.txt
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -du anusha/
44 44 anusha/1NT18IS031
0 0 anusha/empty1.txt
0 0 anusha/empty2.txt
```

12) Use stat command on usn and name directories.

```
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -stat anusha/
2021-05-12 08:28:05
hdoop@ubuntu:~/hadoop-3.2.1/sbin$ hadoop fs -stat anusha/1NT18IS031
2021-05-12 08:52:15
```

13) Illustrate the use of append command.

