

## Hadoop Commands

### 1. To create a directory (examples) in HDFS.

hdfs dfs -mkdir /examples

### 2. To get the list of directories and files at the root of HDFS.

hdfs dfs -ls /

### 3. To get the list of complete directories and files of HDFS.

hdfs dfs -ls -R /

```
E:\>hadoop version
Hadoop 3.1.0
Source code repository https://github.com/apache/hadoop -r 16b70619a24cdc5d3b0fcf4b58ca77238ccbe6d
Compiled by centos on 2018-03-30T00:00Z
Compiled with protoc 2.5.0
From source with checksum 14182d20c972b3e2105580a1ad6990
This command was run using /E:/hadoop/hadoop-3.1.0/share/hadoop/common/hadoop-common-3.1.0.jar

E:\>start-dfs.cmd

E:\>start-yarn.cmd
starting yarn daemons

E:\>hdfs dfs -mkdir /examples

E:\>hdfs dfs -ls /
Found 3 items
drwxr-xr-x - sahana supergroup 0 2021-04-22 20:58 /example
drwxr-xr-x - sahana supergroup 0 2021-04-22 21:02 /examples
drwxr-xr-x - sahana supergroup 0 2021-04-22 20:37 /sample

E:\>hdfs dfs -ls -R /
drwxr-xr-x - sahana supergroup 0 2021-04-22 20:58 /example
-rw-r--r-- 1 sahana supergroup 0 2021-04-22 20:58 /example/tumor_cancer.txt
drwxr-xr-x - sahana supergroup 0 2021-04-22 21:02 /examples
drwxr-xr-x - sahana supergroup 0 2021-04-22 20:37 /sample
```

**4. To copy a file from local file system to HDFS via copyFromLocal command.**

```
hdfs dfs -copyFromLocal  
E:\hadoop\dummy_file\tumor_cancer.txt /examples
```

**5. To display the contents of an HDFS file on console.**

```
hdfs dfs -cat /examples/tumor_cancer.txt
```

**6. To copy a file from HDFS to local file system.**

```
hdfs dfs -get /examples/tumor_cancer.txt  
E:\practice_hadoop
```

**7. To copy a file from local file system to HDFS.**

```
Hdfs dfs -put E:\hadoop\dummy_file\tumor_cancer.txt  
/sample
```

**8. To copy a file from Hadoop file system to local file system via copyToLocal command.**

```
hdfs dfs -copyToLocal /sample/tumor_cancer.txt  
E:\practice_hadoop
```

**9. To copy a file from one directory to another on HDFS.**

```
hdfs dfs -cp /sample/tumor_cancer.txt /example1
```

## SAHANA L 1BM18CS089

```
E:\>hdfs dfs -copyFromLocal E:\hadoop\dummy_file\tumor_cancer.txt /examples

E:\>hdfs dfs -ls /examples
Found 1 items
-rw-r--r--  1 sahana supergroup          357 2021-04-22 21:06 /examples/tumor_cancer.txt

E:\>hdfs dfs -cat /examples/tumor_cancer.txt
time    event  group  ftime  number  size  rt1
0       0      1      0      1      1     NA
1       0      1      1      1      3     NA
4       0      1      4      2      1     NA
7       0      1      7      1      1     NA
10      0      1     10      5      1     NA
6       1      1     10      4      1      6
14      0      1     14      1      1     NA
18      0      1     18      1      1     NA
5       1      1     18      1      3      5
12      1      1     18      1      1     12
23      0      1     23      3      3     NA
10      1      1     23      1      3     10
3       1      1     23      1      1      3
3       1      1     23      3      1      3
7       1      1     24      2      3      7
3       1      1     25      1      1      3
26      0      1     26      1      2     NA
1       1      1     26      8      1      1
2       1      1     26      1      4      2

E:\>hdfs dfs -get /examples/tumor_cancer.txt E:\practice_hadoop

E:\>hdfs dfs -put E:\hadoop\dummy_file\tumor_cancer.txt /sample

E:\>hdfs dfs -ls /sample
Found 1 items
-rw-r--r--  1 sahana supergroup          357 2021-04-22 21:14 /sample/tumor_cancer.txt

E:\>hdfs dfs -copyToLocal /sample/tumor_cancer.txt E:\hadoop_practice

E:\>hdfs dfs -cp /sample/tumor_cancer.txt /example
cp: `/example/tumor_cancer.txt': File exists

E:\>hdfs dfs -cp /sample/tumor_cancer.txt /examples
cp: `/examples/tumor_cancer.txt': File exists

E:\>hdfs dfs -cp /sample/tumor_cancer.txt /example1
```

### 10. To remove a directory from HDFS.

```
hdfs dfs -rm /example1
```

```
E:\>hdfs dfs -rm /example1
Deleted /example1

E:\>
```