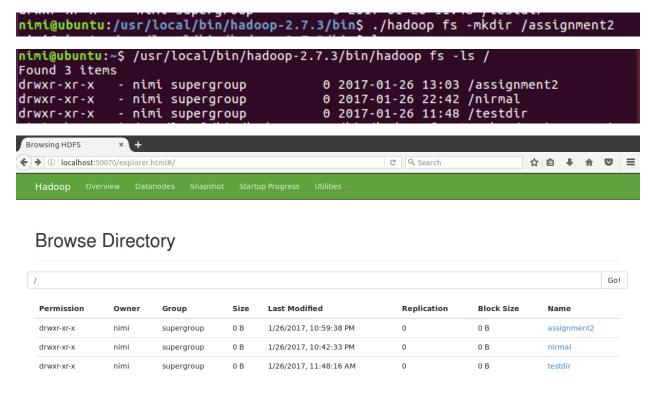
HADOOP COMMANDS

Mkdir

This command is used to create a directory in Hadoop file system.



Touchz

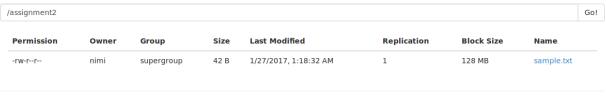
Creates a file of zero bytes.

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -touchz /assignment2/sample.txt
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -ls /assignment2
Found 1 items
-rw-r--r-- 1 nimi supergroup 0 2017-01-26 22:59 /assignment2/sample.txt
nimi@ubuntu:~$
```

<u>appendToFile</u>

Appends the contents of the source file to the destination file.

nimi@ubuntu:~\$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -appendToFile /home/nimi/Desktop/ap pend /assignment2/sample.txt



Checksum

Checksum of the file is returned.

```
nimiqubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -checksum /assignment2/sample.txt /assignment2/sample.txt description of the control of the control
```

Cat

Displays the contents of the file.

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -cat /assignment2/sample.txt
hey i am appending you to the hadoop file
nimi@ubuntu:~$
```

Put

Copies the file from one location to another.

This command differs from copyFromLocal which copies files only from local system to HDFS.

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -put /home/nimi/Desktop/putcopy /a
ssignment2
nimi@ubuntu:~$
```



Count

Count the number of directories, files and bytes under the paths that match the specified file pattern

h - Human readable format

```
q - Data with columns are displayed
```

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -count -h /assignment2/*.*
                                          42 /assignment2/sample.txt
   Terminal
            $ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -count -h /assignment2/*
          0
                                          35 /assignment2/putcopy
                                          42 /assignment2/sample.txt
          0
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -count -q /assignment2/*
                         inf
                                                         inf
                                                                                                        35 /assignment2/putcopy
                                        none
       none
                         inf
                                                         inf
                                                                                                        42 /assignment2/sample.txt
                                        none
       none
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -count -q -h /assignment2/*
                         inf
                                                         inf
                                                                        0
                                                                                                        35 /assignment2/putcopy
       none
                                        none
                                                                                                        42 /assignment2/sample.txt
       none
                         inf
                                        none
                                                         inf
nimi@ubuntu:~$
```

Display free space in bytes and human readable format.

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -df
Filesystem Size Used Available Use%
hdfs://localhost:9000 17055490048 61440 10401353728 0%
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -df -h
Filesystem Size Used Available Use%
hdfs://localhost:9000 15.9 G 60 K 9.7 G 0%
nimi@ubuntu:~$
```

<u>Du</u>

Displays sizes of files and directories contained in the given directory or the length of a file in case its just a file.

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -du /assignment2
35 /assignment2/putcopy
42 /assignment2/sample.txt
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -du -s /assignment2
77 /assignment2
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -du -h /assignment2
35 /assignment2/putcopy
42 /assignment2/sample.txt
nimi@ubuntu:~$
```

Get

Copies the file from the Hadoop file system to the local destination

```
nimi@ubuntu:~$ /usr/local/bin/hadoop-2.7.3/bin/hadoop fs -get /assignment2/sample.txt /home/
nimi/Desktop
nimi@ubuntu:~$ ls -l /home/nimi/Desktop
total 12
-rw-rw-r-- 1 nimi nimi 42 Jan 27 01:14 append
-rw-rw-r-- 1 nimi nimi 35 Jan 27 01:53 putcopy
-rw-r--- 1 nimi nimi 42 Jan 27 03:20 sample.txt
nimi@ubuntu:~$
```