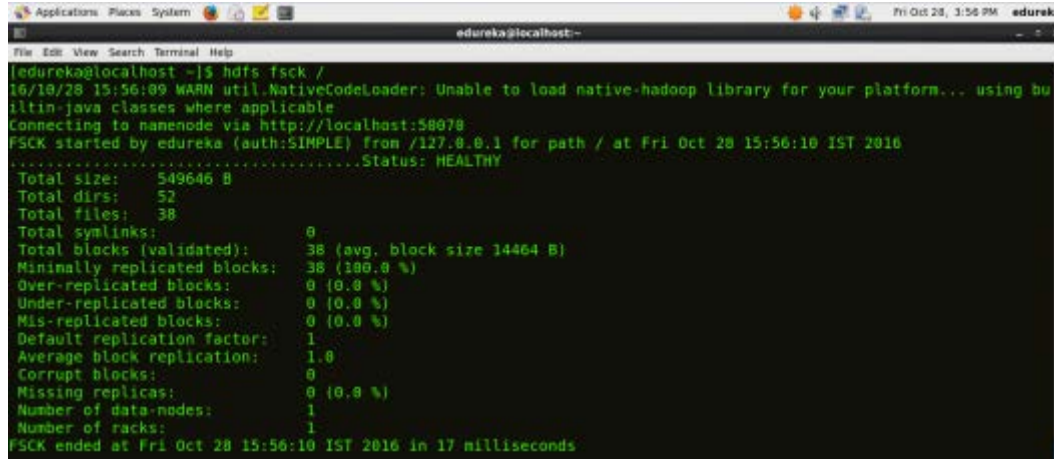# HDFS Commands

fsck

HDFS Command to check the health of the Hadoop file system.

Command: hdfs fsck /

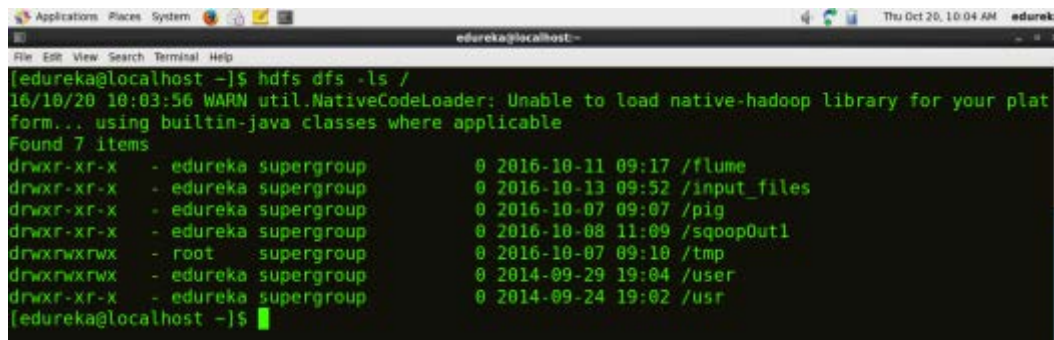

ls

HDFS Command to display the list of Files and Directories in HDFS.

Command: hdfs dfs –ls /

mkdir

HDFS Command to create the directory in HDFS.

Usage: hdfs dfs –mkdir /directory_name
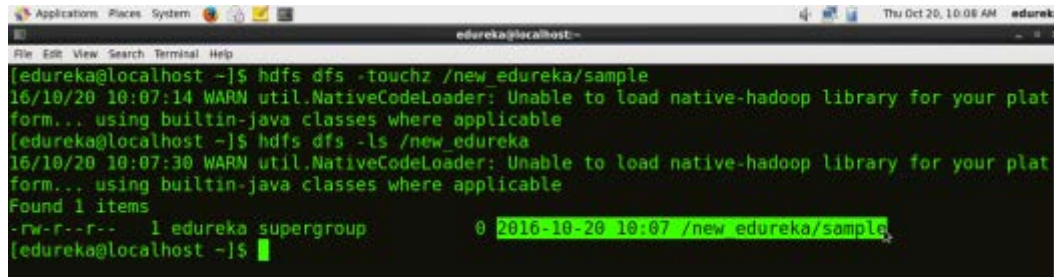
Command: hdfs dfs –mkdir /new_edureka

Note: Here we are trying to create a directory named "new_edureka" in HDFS.

touchz

HDFS Command to create a file in HDFS with file size 0 bytes.

Usage: hdfs dfs –touchz /directory/filename

Command: hdfs dfs –touchz /new_edureka/sample.

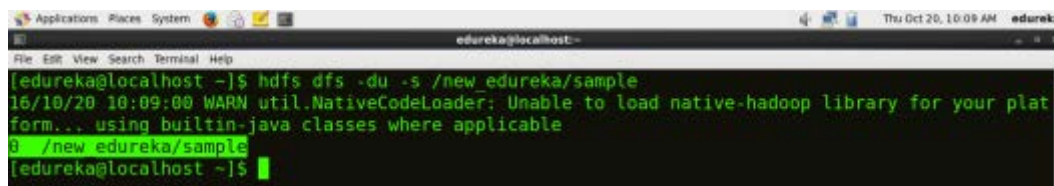

Note: Here we are trying to create a file named "sample" in the directory "new_edureka" of hdfs with file size 0 bytes.

du

HDFS Command to check the file size.

Usage: hdfs dfs –du –s /directory/filename

Command: hdfs dfs –du –s /new_edureka/sample

cat

HDFS Command that copies source paths to stdout.

Usage: hdfs dfs –cat /path/to/file_in_hdfs

Command: hdfs dfs –cat /new_edureka/test

text

HDFS Command that takes a source file and outputs the file in text format.

Usage: hdfs dfs –text /directory/filename
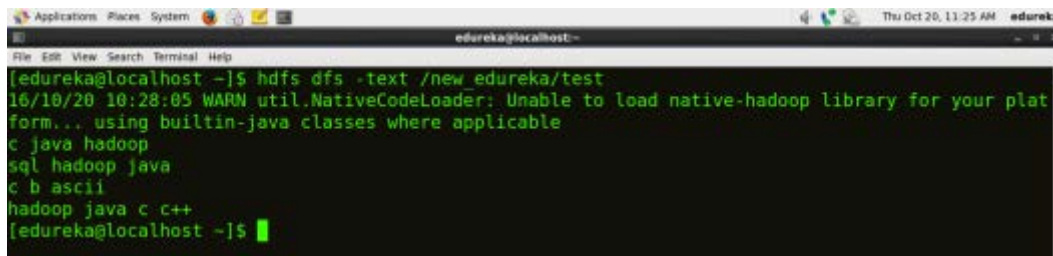
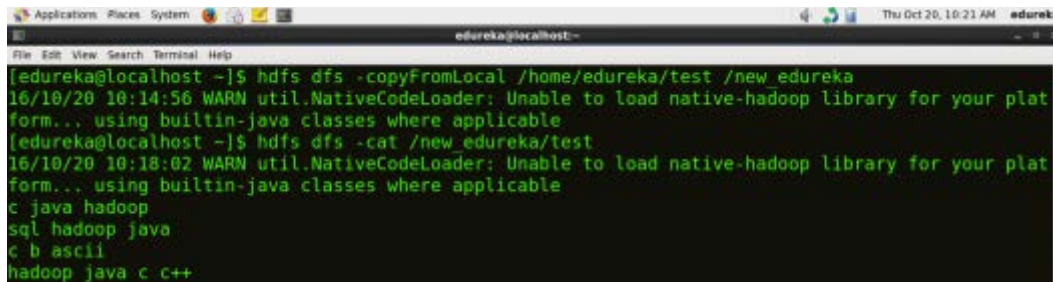*Command:* hdfs dfs –text /new_edureka/test

```
[edureka@localhost ~]$ hdfs dfs -text /new_edureka/test
16/10/20 10:28:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your plat
form... using builtin-java classes where applicable
c java hadoop
sql hadoop java
c b ascii
hadoop java c c++
[edureka@localhost ~]$
```

copyFromLocal

HDFS Command to copy the file from Local file system to HDFS.

Usage: hdfs dfs -copyFromLocal <localsrc> <hdfs destination>

Command: hdfs dfs –copyFromLocal /home/edureka/test /new_edureka


```
[edureka@localhost ~]$ hdfs dfs -copyFromLocal /home/edureka/test /new_edureka
16/10/20 10:14:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your plat
form... using builtin-java classes where applicable
[edureka@localhost ~]$ hdfs dfs -cat /new_edureka/test
16/10/20 10:18:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your plat
form... using builtin-java classes where applicable
c java hadoop
sql hadoop java
c b ascii
hadoop java c c++
```
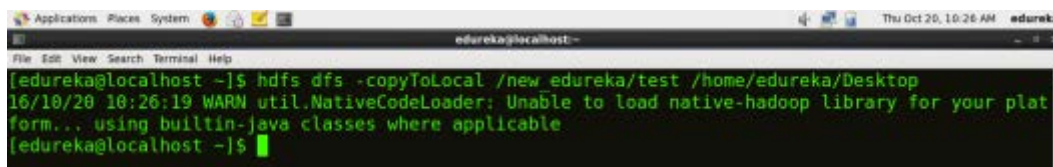
Note: Here test is the file present in the local directory /home/edureka and after the command gets executed the test file will be copied in /new_edureka directory of HDFS.

copyToLocal

HDFS Command to copy the file from HDFS to Local File System.

Usage: hdfs dfs -copyToLocal <hdfs source> <localdst>

Command: hdfs dfs –copyToLocal /new_edureka/test /home/edureka


```
[edureka@localhost ~]$ hdfs dfs -copyToLocal /new_edureka/test /home/edureka/Desktop
16/10/20 10:26:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your plat
form... using builtin-java classes where applicable
[edureka@localhost ~]$
```
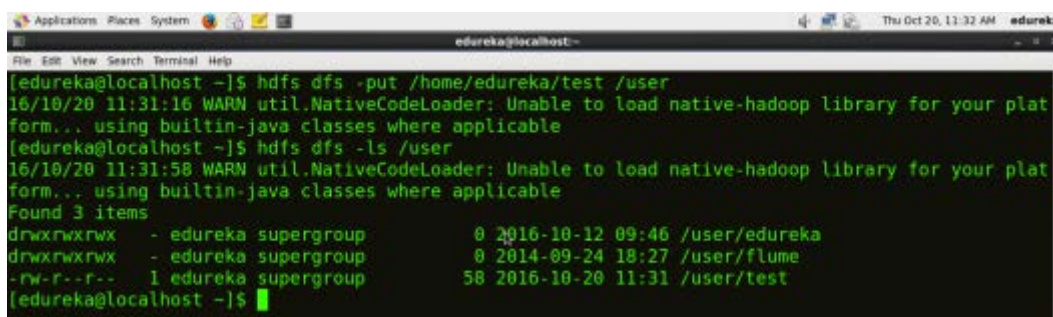
Note: Here test is a file present in the new_edureka directory of HDFS and after the command gets executed the test file will be copied to local directory /home/edureka

put

HDFS Command to copy single source, or multiple sources from local file system to the destination file system.

Usage: hdfs dfs -put <localsrc> <destination>

Command: hdfs dfs –put /home/edureka/test /user


```
[edureka@localhost ~]$ hdfs dfs -put /home/edureka/test /user
16/10/20 11:31:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your plat
form... using builtin-java classes where applicable
[edureka@localhost ~]$ hdfs dfs -ls /user
16/10/20 11:31:58 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your plat
form... using builtin-java classes where applicable
Found 3 items
drwxrwxrwx   - edureka supergroup          0 2016-10-12 09:46 /user/edureka
drwxrwxrwx   - edureka supergroup          0 2014-09-24 18:27 /user/flume
-rw-r--r--   1 edureka supergroup         58 2016-10-20 11:31 /user/test
[edureka@localhost ~]$
```
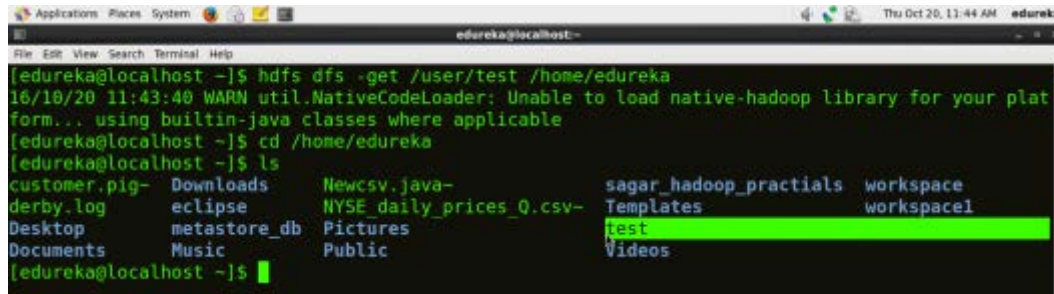
Note: The command copyFromLocal is similar to put command, except that the source is restricted to a local file reference.

get

HDFS Command to copy files from hdfs to the local file system.

Usage: hdfs dfs -get <src> <localdst>
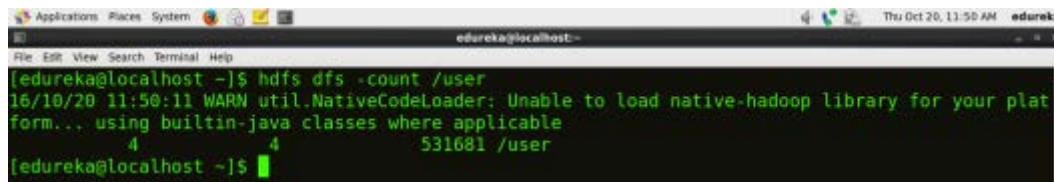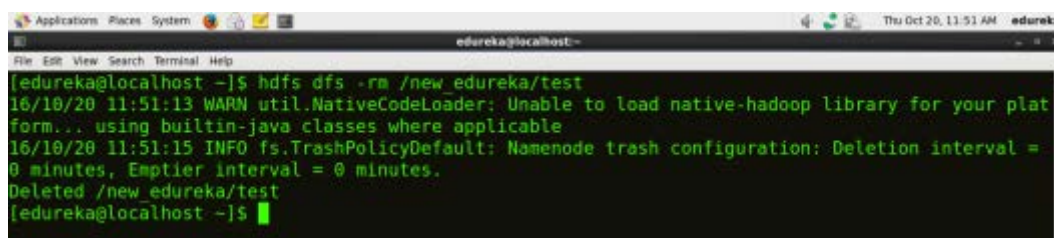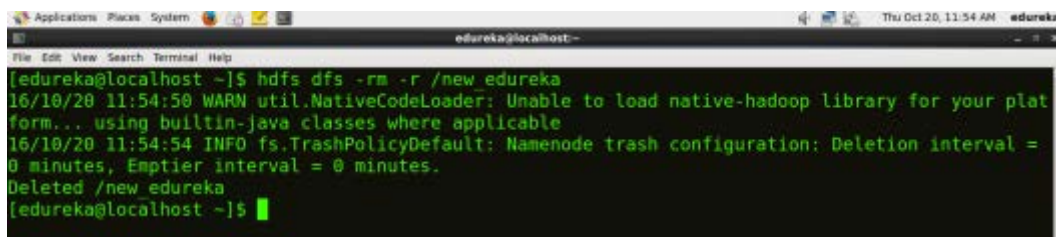
Command: hdfs dfs –get /user/test /home/edureka

Note: The command copyToLocal is similar to get command, except that the destination is restricted to a local file reference.

count

HDFS Command to count the number of directories, files and bytes under the paths that match the specified file pattern.

Usage: hdfs dfs -count <path>

Command: hdfs dfs –count /user

rm

HDFS Command to remove the file from HDFS.

Usage: hdfs dfs –rm <path>

Command: hdfs dfs –rm /new_edureka/test

rm -r

HDFS Command to remove the entire directory and all of its content from HDFS.

Usage: hdfs dfs -rm -r <path>
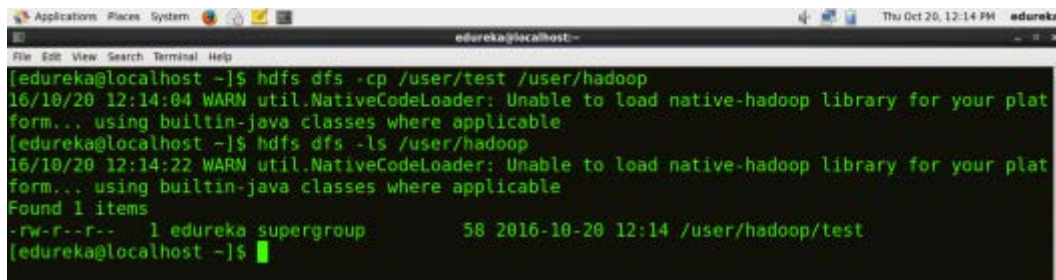
Command: hdfs dfs -rm -r /new_edureka

cp

HDFS Command to copy files from source to destination. This command allows multiple sources as well, in which case the destination must be a directory.

Usage: hdfs dfs -cp <src> <dest>

Command: hdfs dfs -cp /user/hadoop/file1 /user/hadoop/file2

Command: hdfs dfs -cp /user/hadoop/file1 /user/hadoop/file2 /user/hadoop/dir
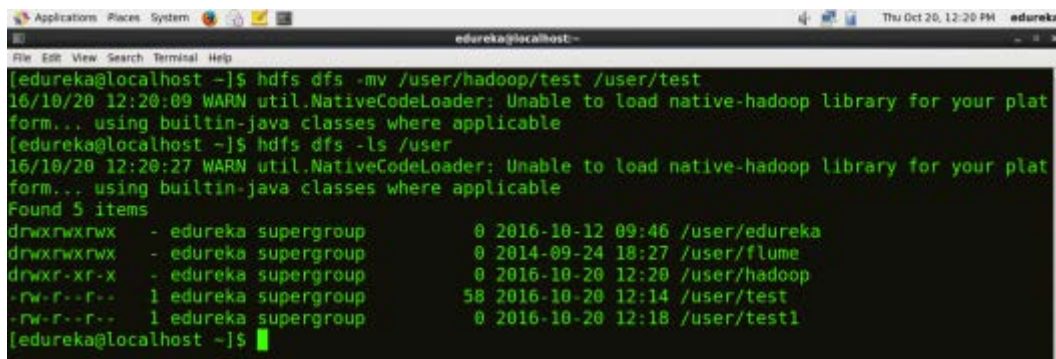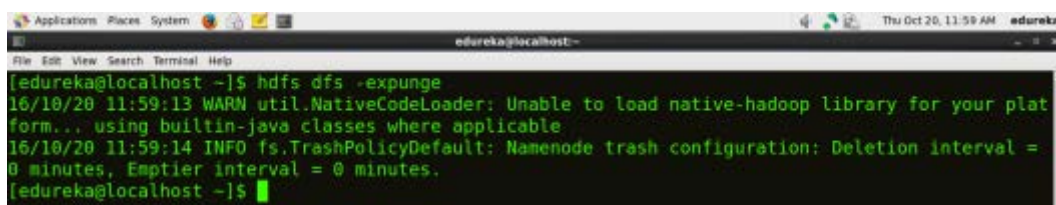

mv

HDFS Command to move files from source to destination. This command allows multiple sources as well, in which case the destination needs to be a directory.

Usage: hdfs dfs -mv <src> <dest>

Command: hdfs dfs -mv /user/hadoop/file1 /user/hadoop/file2

expunge

HDFS Command that makes the trash empty.

Command: hdfs dfs -expunge
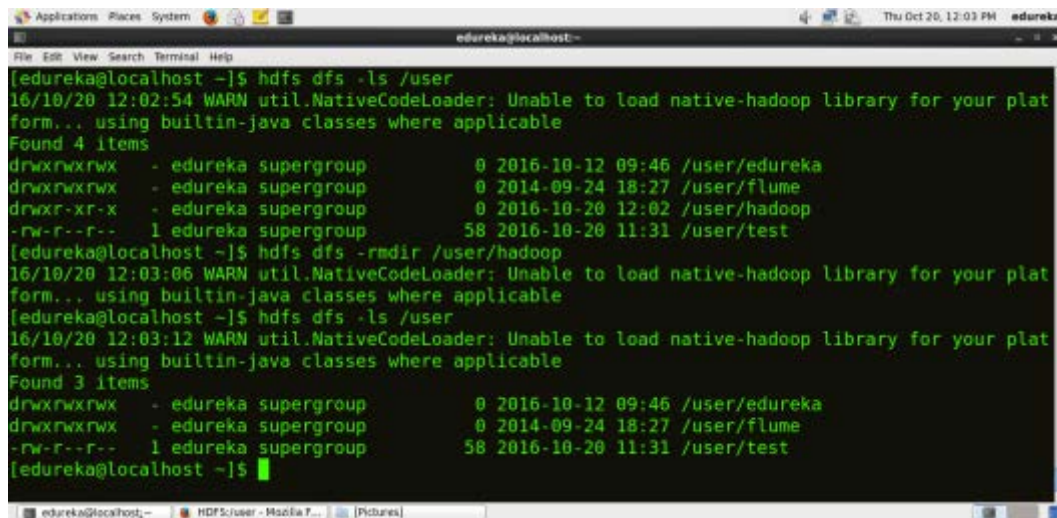
rmdir

HDFS Command to remove the directory.

Usage: hdfs dfs -rmdir <path>

Command: hdfs dfs –rmdir /user/hadoop

usage

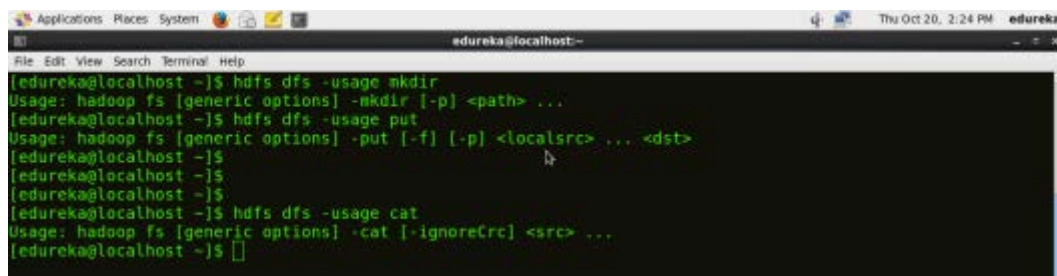HDFS Command that returns the help for an individual command.

Usage: hdfs dfs -usage <command>

Command: hdfs dfs -usage mkdir

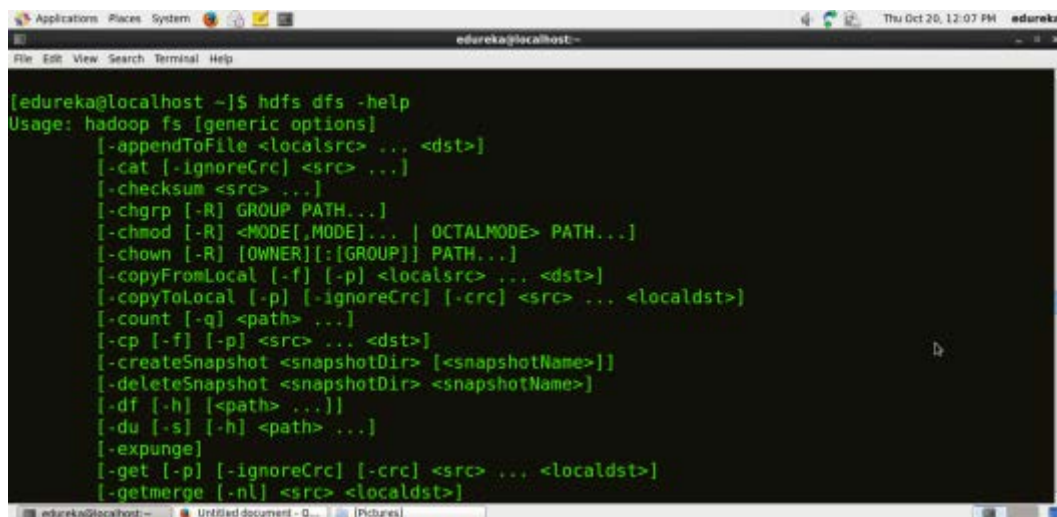**Note:** By using usage command you can get information about any command.

help

HDFS Command that displays help for given command or all commands if none is specified.

Command: hdfs dfs -help