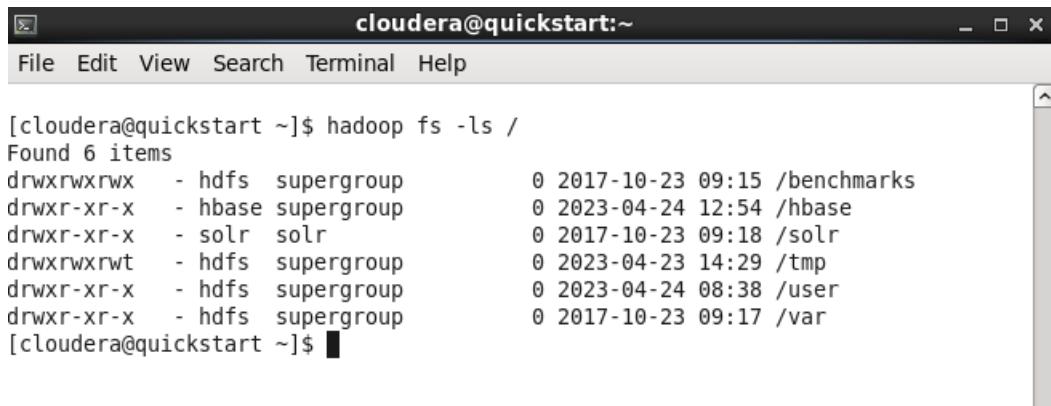


LAB- 5

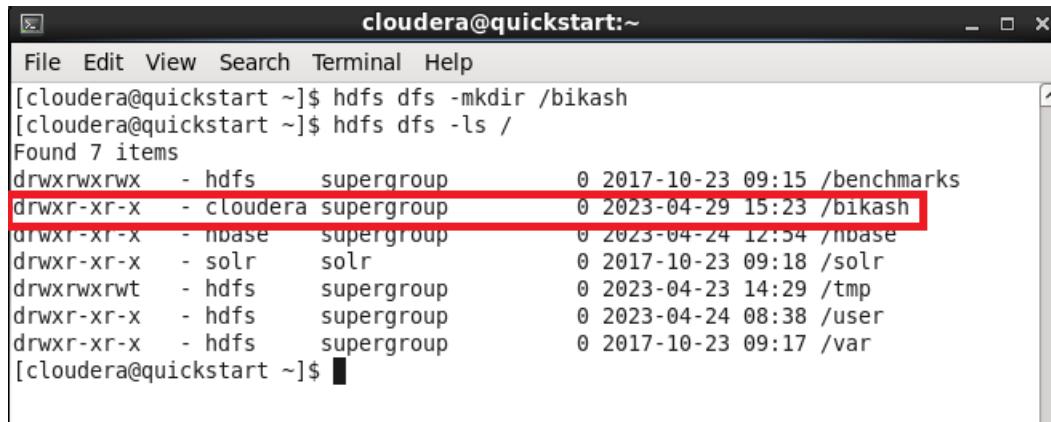
AIM: To run HDFS commands.

Command 1: hdfs dfs -ls : List contents of HDFS



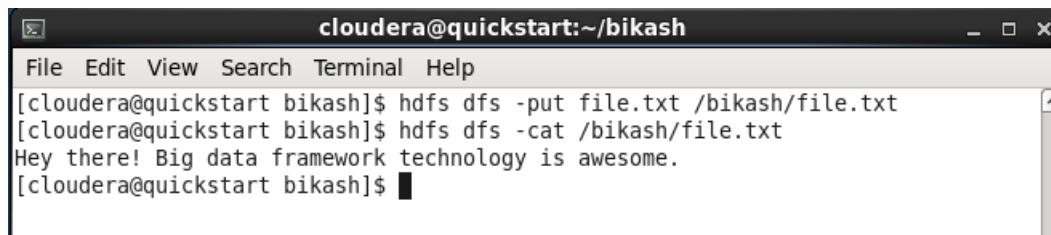
```
cloudera@quickstart:~$ hadoop fs -ls /
Found 6 items
drwxrwxrwx  - hdfs  supergroup      0 2017-10-23 09:15 /benchmarks
drwxr-xr-x  - hbase supergroup      0 2023-04-24 12:54 /hbase
drwxr-xr-x  - solr   solr          0 2017-10-23 09:18 /solr
drwxrwxrwt  - hdfs  supergroup      0 2023-04-23 14:29 /tmp
drwxr-xr-x  - hdfs  supergroup      0 2023-04-24 08:38 /user
drwxr-xr-x  - hdfs  supergroup      0 2017-10-23 09:17 /var
[cloudera@quickstart ~]$
```

Command 2: hdfs dfs -mkdir : To create new directory



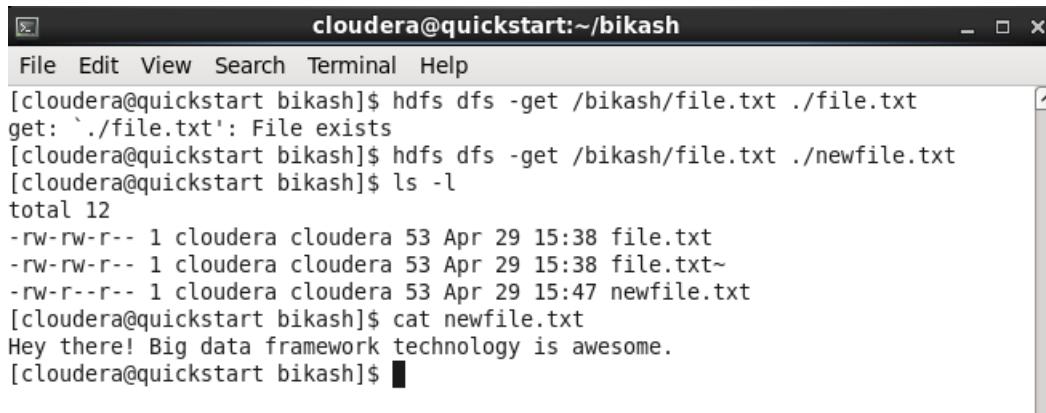
```
cloudera@quickstart:~$ hdfs dfs -mkdir /bikash
[cloudera@quickstart ~]$ hdfs dfs -ls /
Found 7 items
drwxrwxrwx  - hdfs  supergroup      0 2017-10-23 09:15 /benchmarks
drwxr-xr-x  - cloudera supergroup  0 2023-04-29 15:23 /bikash
drwxr-xr-x  - hbase supergroup      0 2023-04-24 12:54 /hbase
drwxr-xr-x  - solr   solr          0 2017-10-23 09:18 /solr
drwxrwxrwt  - hdfs  supergroup      0 2023-04-23 14:29 /tmp
drwxr-xr-x  - hdfs  supergroup      0 2023-04-24 08:38 /user
drwxr-xr-x  - hdfs  supergroup      0 2017-10-23 09:17 /var
[cloudera@quickstart ~]$
```

Command 3: hdfs dfs -put OR CopyFromLocal: Copies file from local filesystem to HDFS



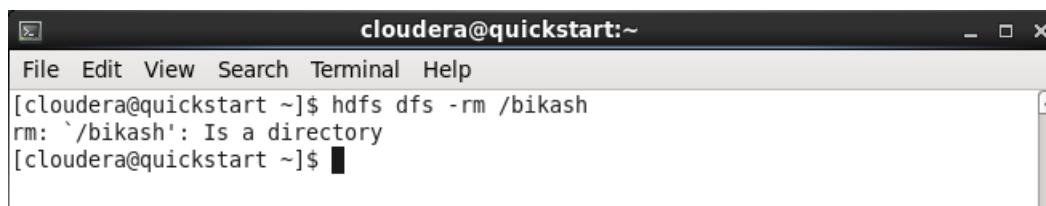
```
cloudera@quickstart:~/bikash$ hdfs dfs -put file.txt /bikash/file.txt
[cloudera@quickstart bikash]$ hdfs dfs -cat /bikash/file.txt
Hey there! Big data framework technology is awesome.
[cloudera@quickstart bikash]$
```

Command 4: hdfs dfs -get OR CopyToLocal: Copies file from HDFS to the local file system.



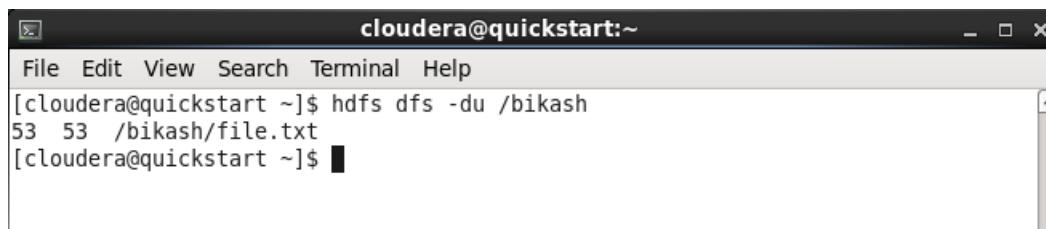
```
cloudera@quickstart:~/bikash
File Edit View Search Terminal Help
[cloudera@quickstart bikash]$ hdfs dfs -get /bikash/file.txt ./file.txt
get: `./file.txt': File exists
[cloudera@quickstart bikash]$ hdfs dfs -get /bikash/file.txt ./newfile.txt
[cloudera@quickstart bikash]$ ls -l
total 12
-rw-rw-r-- 1 cloudera cloudera 53 Apr 29 15:38 file.txt
-rw-rw-r-- 1 cloudera cloudera 53 Apr 29 15:38 file.txt~
-rw-r--r-- 1 cloudera cloudera 53 Apr 29 15:47 newfile.txt
[cloudera@quickstart bikash]$ cat newfile.txt
Hey there! Big data framework technology is awesome.
[cloudera@quickstart bikash]$
```

Command 5: hdfs dfs -rm: Deletes file or directory from HDFS



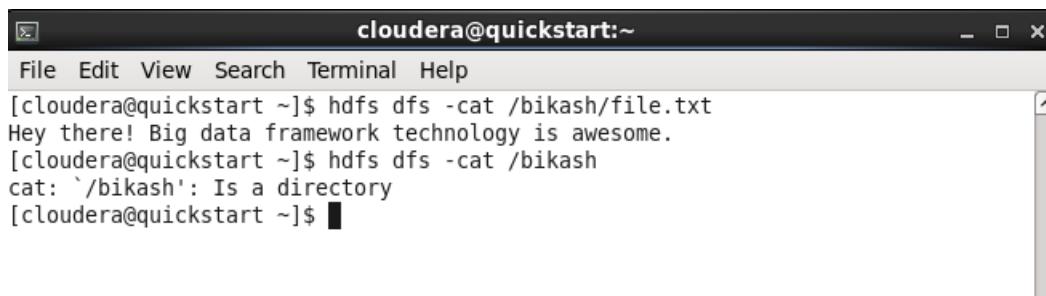
```
cloudera@quickstart:~
File Edit View Search Terminal Help
[cloudera@quickstart ~]$ hdfs dfs -rm /bikash
rm: '/bikash': Is a directory
[cloudera@quickstart ~]$
```

Command 6: hdfs dfs -du: Shows disk usage of file or directory in hdfs.



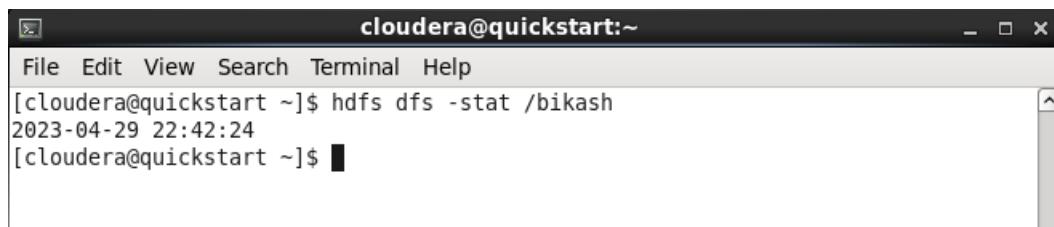
```
cloudera@quickstart:~
File Edit View Search Terminal Help
[cloudera@quickstart ~]$ hdfs dfs -du /bikash
53 53 /bikash/file.txt
[cloudera@quickstart ~]$
```

Command 7: hdfs dfs -cat: Displays contents of file in HDFS



```
cloudera@quickstart:~
File Edit View Search Terminal Help
[cloudera@quickstart ~]$ hdfs dfs -cat /bikash/file.txt
Hey there! Big data framework technology is awesome.
[cloudera@quickstart ~]$ hdfs dfs -cat /bikash
cat: `/bikash': Is a directory
[cloudera@quickstart ~]$
```

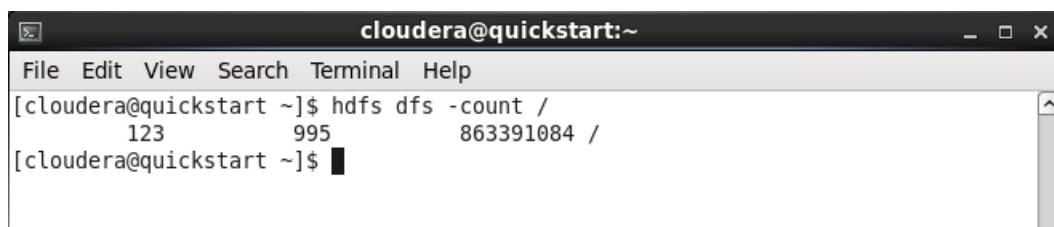
Command 8: hdfs dfs -stat: Gives last modified time of file or directory



```
cloudera@quickstart:~$ hdfs dfs -stat /bikash
2023-04-29 22:42:24
[cloudera@quickstart ~]$
```

A screenshot of a terminal window titled "cloudera@quickstart:~". The window has a standard title bar with icons for minimize, maximize, and close. The menu bar includes "File", "Edit", "View", "Search", "Terminal", and "Help". The main area of the terminal shows the command "hdfs dfs -stat /bikash" followed by its output: the timestamp "2023-04-29 22:42:24". The prompt "[cloudera@quickstart ~]\$" is at the bottom.

Command 9: hdfs dfs -count: Count number of files or directories



```
cloudera@quickstart:~$ hdfs dfs -count /
123      995     863391084 /
[cloudera@quickstart ~]$
```

A screenshot of a terminal window titled "cloudera@quickstart:~". The window has a standard title bar with icons for minimize, maximize, and close. The menu bar includes "File", "Edit", "View", "Search", "Terminal", and "Help". The main area of the terminal shows the command "hdfs dfs -count /" followed by its output: "123", "995", and "863391084" separated by spaces, all under the directory "/". The prompt "[cloudera@quickstart ~]\$" is at the bottom.