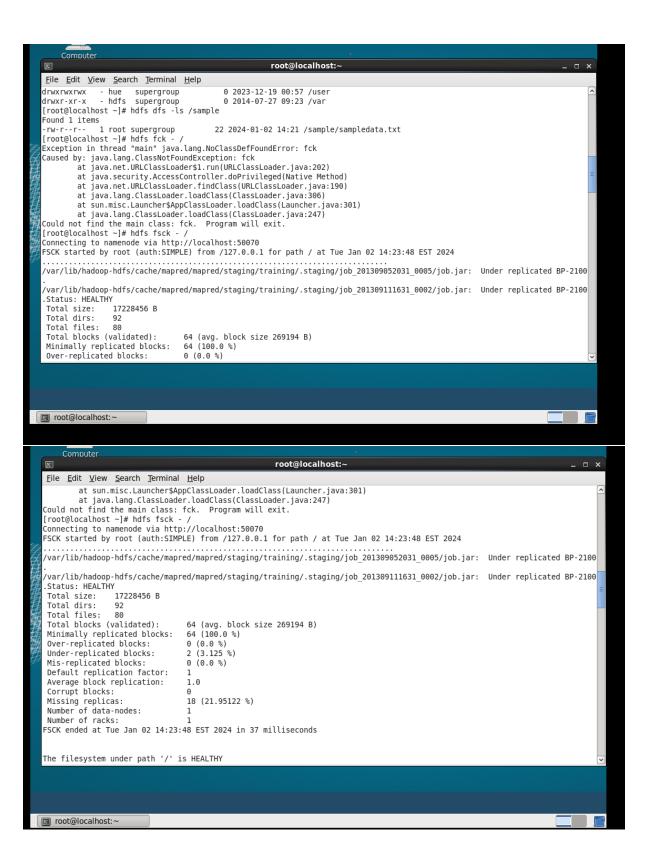
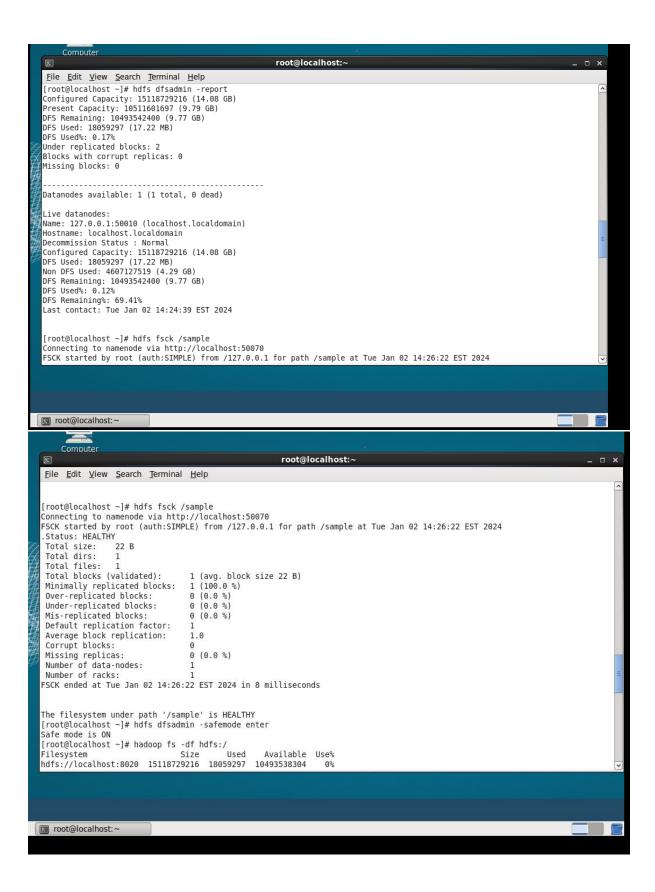
```
root@localhost:~
                                                                                                                                    _ 🗆 X
 File Edit View Search Terminal Help
[training@localhost ~]$ ls
13dec derby.log eclipse
14dec Desktop employee
bk.txt Documents hive
                                      pig 1406462634650.log workspace
                     employees.csv Public
                                      src
data Downloads Pictures
                                      udacity training
[training@localhost ~]$ sudo su
[root@localhost training]# hdfs dfs -ls /
Found 4 items
drwxr-xr-x - hbase supergroup
drwxrwxrwt - hdfs supergroup
                                              0 2023-12-20 02:20 /hbase
                                             0 2023-12-20 02:44 /tmp
drwxrwxrwx - hue supergroup
                                              0 2023-12-19 00:57 /user
drwxr-xr-x - hdfs supergroup
                                              0 2014-07-27 09:23 /var
[root@localhost training]# hdfs dfs -mkdir /sample
[root@localhost training]# hdfs dfs -ls /
Found 5 items
drwxr-xr-x - hbase supergroup
drwxr-xr-x - root supergroup
                                              0 2023-12-20 02:20 /hbase
                                              0 2024-01-02 14:12 /sample
drwxrwxrwt - hdfs supergroup
drwxrwxrwx - hue supergroup
drwxr-xr-x - hdfs supergroup
                                              0 2023-12-20 02:44 /tmp
                                              0 2023-12-19 00:57 /user
                                              0 2014-07-27 09:23 /var
[root@localhost training]# cd ~
[root@localhost ~]# ls
[root@localhost ~]# cd Desktop/
bash: cd: Desktop/: No such file or directory
[root@localhost ~]# ls
[root@localhost ~]# vi sampledata.txt
[root@localhost ~]# ls
sampledata.txt
[root@localhost ~]# pwd
```

```
root@localhost:~
  <u>F</u>ile <u>E</u>dit <u>V</u>iew <u>S</u>earch <u>T</u>erminal <u>H</u>elp
  [root@localhost ~]# ls
  [root@locathost ~]# ts
[root@localhost ~]# vi sampledata.txt
[root@localhost ~]# ls
  sampledata.txt
  [root@localhost ~]# pwd
 [root@localhost ~]# cat sampledata.txt
[root@localhost ~]# vi sampledata.txt
[root@localhost ~]# cat sampledata.txt
 Hello ,I am Balaii.
 [root@localhost ~]# hdfs dfs -pt sample.data.txt/sample/
  pt: Unknown command
 [root@localhost ~]# hdfs dfs -put sample.data.txt/sample/
put: `sample.data.txt/sample': No such file or directory
[root@localhost ~]# hdfs dfs -put sample.data.txt /sample/
 put: `sample.data.txt': No such file or directory
[root@localhost ~]# hdfs dfs -put sampledata.txt /sample/
[root@localhost ~]# hdfs dfs -ls /
 Found 5 items
drwxr-xr-x - hbase supergroup
drwxr-xr-x - root supergroup
                                                                   0 2023-12-20 02:20 /hbase
                                                                   0 2024-01-02 14:21 /sample
 drwxrwxrwt
                    - hdfs supergroup
                                                                   0 2023-12-20 02:44 /tmp
0 2023-12-19 00:57 /user
                    - hue supergroup
- hdfs supergroup
 drwxrwxrwx
                                                                   0 2014-07-27 09:23 /var
 drwxr-xr-x
 [root@localhost ~]# hdfs dfs -ls /sample
 Found 1 items
                                                                22 2024-01-02 14:21 /sample/sampledata.txt
                     1 root supergroup

    □ root@localhost:~
```





```
root@localhost:~
               _ 🗆 x
                 File Edit View Search Terminal Help
                 Safe mode is ON
                  root@localhost ~]# hadoop fs -df hdfs:/
               Filesystem Size Used Available
hdfs://localhost:8020 15118729216 18059297 10493538304
                                                                                                                                                                                              Available Use%
              [root@localhost ~]# hadoop fs -count hdfs:/
92 80 17228450
                                                                                                                                                 17228456 hdfs:///
               [root@localhost ~]# hdfs balancer
                24/01/02 14:28:43 INFO balancer.Balancer: namenodes = [hdfs://localhost:8020]
              24/01/02 14:28:43 INFO balancer.Balancer: p = Balancer.Parameters[BalancingPolicy.Node, threshold=10.0]
Time Stamp Iteration# Bytes Already Moved Bytes Left To Move Bytes Being Moved
org.apache.hadoop.ipc.RemoteException(org.apache.hadoop.hdfs.server.namenode.SafeModeException): Cannot create file/system/
             Use "hdfs dfsadmin -safemode leave" to turn safe mode off.
at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.startFileInternal(FSNamesystem.java:1736)
                                          at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.startFileInt(FSNamesystem.java:1690) at org.apache.hadoop.hdfs.server.namenode.FSNamesystem.startFile(FSNamesystem.java:1669)
                                           at org.apache.hadoop.hdfs.server.namenode.NameNodeRpcServer.create(NameNodeRpcServer.java:409) at org.apache.hadoop.hdfs.protocolPB.ClientNamenodeProtocolServerSideTranslatorPB.create(ClientNamenodeProtocolServ
                                            at \ org. apache. hadoop. hdfs.protocol.proto. Client Name node Protocol Protos \\ \$ Client Name node Protocol \\ \$ 2. call Blocking Method \\ (Client Name node Protocol \\ \$ 2. call Blocking Method \\ (Client Name node Protocol \\ \$ 3. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ \$ 4. call Blocking Method \\ (Client Name node Protocol \\ (Client
                                          at org.apache.hadoop.ipc.ProtobufRpcEngine$Server$ProtoBufRpcInvoker.call(ProtobufRpcEngine.java:453) at org.apache.hadoop.ipc.RPC$Server.call(RPC.java:898) at org.apache.hadoop.ipc.Server$Handler$1.run(Server.java:1693) at org.apache.hadoop.ipc.Server$Handler$1.run(Server.java:1689)
                                          at java.security.AccessController.doPrivileged(Native Method) at javax.security.auth.Subject.doAs(Subject.java:396)
                                          at org.apache.hadoop.security.UserGroupInformation.doAs(UserGroupInformation.java:1332) at org.apache.hadoop.ipc.Server$Handler.run(Server.java:1687)
                         Exiting
             Balancing took 1.472 seconds
[root@localhost ~]# hadoop fs -mkdir /twit

☐ root@localhost:~
             Compute
                                                                                                                                                                                                  root@localhost:~
 <u>F</u>ile <u>E</u>dit <u>V</u>iew <u>S</u>earch <u>T</u>erminal <u>H</u>elp
. Exiting ...
Balancing took 1.472 seconds
[root@localhost ~]# hadoop fs -mkdir /twit
mkdir: Cannot create directory /twit. Name node is in safe mode.
 [root@localhost ~]# hdfs dfsadmin -safemode get
 Safe mode is ON
Fore mode is ON

[root@localhost ~]# hdfs dfsadmin -safemode leave

Safe mode is OFF

[root@localhost ~]# hadoop fs -mkdir /twit

[root@localhost ~]# cd /root/Desktop/

bash: cd: /root/Desktop/: No such file or directory

[root@localhost ~]# cd root

bash: cd: /root/Desktop/: No such file or directory
bash: cd: root: No such file or directory
[root@localhost ~]# ls
  sampledata.txt
  root@localhost ~1# sudo su
  [root@localhost ~]# ls
  sampledata.txt
[root@localhost ~]# cd usr
 bash: cd: usr: No such file or directory
loading to the control of the c
                                                                                 etc home lib logs lost+found media mnt opt proc root sbin selinux srv sys tag usr var
[root@localhost /]# cd root
[root@localhost ~]# ls
  sampledata.txt
[root@localhost ~]#
```