

Output:

```
sandbox login: raj_ops
raj_ops@sandbox.hortonworks.com's password:
[raj_ops@sandbox ~]$ raj_ops
-bash: raj_ops: command not found
[raj_ops@sandbox ~]$ hadoop version
Hadoop 2.7.3.2.5.0-1245
Subversion git@github.com:hortonworks/hadoop.git -r cb6e514b14fb60e9995e5ad9543315cd404b4e59
Compiled by jenkins on 2016-08-26T00:55Z
Compiled with protoc 2.5.0
From source with checksum eba8ae32a1d8bb736a829d9dc18dddc2
This command was run using /usr/hdp/2.5.0-1245/hadoop/hadoop-common-2.7.3.2.5.0-1245.jar
[raj_ops@sandbox ~]$ pwd
/home/raj_ops
[raj_ops@sandbox ~]$ hadoop fs -ls /
Found 12 items
drwxrwxrwx - yarn hadoop 0 2023-03-10 10:43 /app-logs
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:54 /apps
drwxr-xr-x - yarn hadoop 0 2016-10-25 07:48 /ats
drwxr-xr-x - hdfs hdfs 0 2016-10-25 08:01 /demo
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:48 /hdp
drwxr-xr-x - mapred hdfs 0 2016-10-25 07:48 /mapred
drwxrwxrwx - mapred hadoop 0 2016-10-25 07:48 /mr-history
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:47 /ranger
drwxrwxrwx - spark hadoop 0 2024-01-31 03:24 /spark-history
drwxrwxrwx - spark hadoop 0 2016-10-25 08:14 /spark2-history
drwxrwxrwx - hdfs hdfs 0 2016-10-25 08:11 /tmp
drwxr-xr-x - hdfs hdfs 0 2023-03-10 10:43 /user
[raj_ops@sandbox ~]$ hadoop fs -ls -R /
drwxrwxrwx - yarn hadoop 0 2023-03-10 10:43 /app-logs
drwxrwx--- - hive hadoop 0 2016-10-25 08:10 /app-logs/hive
drwxrwx--- - hive hadoop 0 2023-03-10 10:25 /app-logs/hive/logs
drwxrwx--- - root hadoop 0 2023-03-10 10:43 /app-logs/root
drwxrwx--- - root hadoop 0 2024-01-31 02:56 /app-logs/root/logs
drwxrwx--- - root hadoop 0 2024-01-31 02:56 /app-logs/root/logs/application_1678443871107_0
-rw-r----- 1 root hadoop 302950 2024-01-31 02:56 /app-logs/root/logs/application_1678443871107_0
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:54 /apps
drwxrwxrwx - falcon hdfs 0 2016-10-25 07:54 /apps/falcon
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/META
-rwxr-xr-x 1 falcon users 7369 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/META/h
-rwxr-xr-x 1 falcon users 1384 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/README
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/libs
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/libs/b
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/libs/r
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/resour
drwxr-xr-x - falcon users 0 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/resour
-rwxr-xr-x 1 falcon users 1760 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/resour
-rwxr-xr-x 1 falcon users 4850 2016-10-25 07:54 /apps/falcon/extensions/hdfs-mirroring/resour
```

```

[raj_ops@sandbox ~]$ hadoop fs -mv /salim/omkar.txt /gaj
[raj_ops@sandbox ~]$ hadoop fs -ls /gaj
Found 3 items
-rw-r--r--   3 raj_ops hdfs      14 2024-01-31 03:34 /gaj/hussie-2.txt
-rw-r--r--   1 raj_ops hdfs       0 2024-01-31 03:30 /gaj/hussie.txt
-rw-r--r--   1 raj_ops hdfs       0 2024-01-31 03:41 /gaj/omkar.txt
[raj_ops@sandbox ~]$ hadoop fs -ls /salim
Found 1 items
-rw-r--r--   1 raj_ops hdfs      14 2024-01-31 03:39 /salim/hussie-2.txt
[raj_ops@sandbox ~]$ hadoop fs -stat /gaj
2024-01-31 03:42:29
[raj_ops@sandbox ~]$ hadoop fs -setrep 4 /gaj
Replication 4 set: /gaj/hussie-2.txt
Replication 4 set: /gaj/hussie.txt
Replication 4 set: /gaj/omkar.txt
[raj_ops@sandbox ~]$ hadoop fs -copyFromLocal ../Desktop/chaitya/lakhani.txt /gaj
copyFromLocal: `../Desktop/chaitya/lakhani.txt': No such file or directory
[raj_ops@sandbox ~]$ hadoop fs -copyFromLocal ../Desktop/chaitya /gaj
copyFromLocal: `../Desktop/chaitya': No such file or directory
[raj_ops@sandbox ~]$ hadoop fs -copyFromLocal C:/Users/djsce.student/Desktop/chaitya /gaj
copyFromLocal: `C:/Users/djsce.student/Desktop/chaitya': No such file or directory
[raj_ops@sandbox ~]$ hadoop fs -copyFromLocal C:/Users/djsce.student/Desktop/chaitya/lakhani.txt /gaj
copyFromLocal: `C:/Users/djsce.student/Desktop/chaitya/lakhani.txt': No such file or directory
[raj_ops@sandbox ~]$ hadoop fs -copyFromLocal C:/Users/djsce.student/Desktop/chaitya/lakhani.txt /gaj
copyFromLocal: `C:/Users/djsce.student/Desktop/chaitya/lakhani.txt': No such file or directory
[raj_ops@sandbox ~]$ hadoop fs groupadd BDI
groupadd: Unknown command
[raj_ops@sandbox ~]$ hadoop fs addgroup BDI
addgroup: Unknown command
[raj_ops@sandbox ~]$ hadoop fs -groupadd BDI
-groupadd: Unknown command
[raj_ops@sandbox ~]$ hadoop fs -copyFromLocal C:/Users/djsce.student/Desktop/chaitya/ /user/gaj
copyFromLocal: `C:/Users/djsce.student/Desktop/chaitya/': No such file or directory
[raj_ops@sandbox ~]$ hadoop fsadmin -addUser Gaj
Error: Could not find or load main class fsadmin
[raj_ops@sandbox ~]$ hdfs dfsadmin -addUser Gaj
addUser: Unknown command
Usage: hdfs dfsadmin
Note: Administrative commands can only be run as the HDFS superuser.
    [-report [-live] [-dead] [-decommissioning]]
    [-safemode <enter | leave | get | wait>]
    [-saveNamespace]
    [-rollEdits]
    [-restoreFailedStorage true|false|check]
    [-refreshNodes]
    [-setQuota <quota> <dirname>...<dirname>]
    [-clrQuota <dirname>...<dirname>]
    [-setSpaceQuota <quota> [-storageType <storagetype>] <dirname>...<dirname>]
    [-clrSpaceQuota [-storageType <storagetype>] <dirname>...<dirname>]
    [-finalizeUpgrade]

```

```

drwxr-xr-x 1 root hdfs 0 2023-03-10 10:43 /user/root/.hive jars
-rw-r--r-- 1 root hdfs 21667449 2023-03-10 10:43 /user/root/.hiveJars/hi
drwxrwxr-x - spark hdfs 0 2016-10-25 07:48 /user/spark
drwxr-xr-x - zeppelin hdfs 0 2016-10-25 07:50 /user/zeppelin
drwxr-xr-x - zeppelin hdfs 0 2016-10-25 07:50 /user/zeppelin/test
[raj_ops@sandbox ~]$ hadoop fs -mkdir /gaj
[raj_ops@sandbox ~]$ hadoop fs -ls /
Found 13 items
drwxrwxrwx - yarn hadoop 0 2023-03-10 10:43 /app-logs
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:54 /apps
drwxr-xr-x - yarn hadoop 0 2016-10-25 07:48 /ats
drwxr-xr-x - hdfs hdfs 0 2016-10-25 08:01 /demo
drwxr-xr-x - raj_ops hdfs 0 2024-01-31 03:27 /gaj
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:48 /hdp
drwxr-xr-x - mapred hdfs 0 2016-10-25 07:48 /mapred
drwxrwxrwx - mapred hadoop 0 2016-10-25 07:48 /mr-history
drwxr-xr-x - hdfs hdfs 0 2016-10-25 07:47 /ranger
drwxrwxrwx - spark hadoop 0 2024-01-31 03:27 /spark-history
drwxrwxrwx - spark hadoop 0 2016-10-25 08:14 /spark2-history
drwxrwxrwx - hdfs hdfs 0 2016-10-25 08:11 /tmp
drwxr-xr-x - hdfs hdfs 0 2023-03-10 10:43 /user
[raj_ops@sandbox ~]$ hadoop fs -touchz /gaj/hussie.txt
[raj_ops@sandbox ~]$ hadoop fs -ls /gaj
Found 1 items
-rw-r--r-- 1 raj_ops hdfs 0 2024-01-31 03:30 /gaj/hussie.txt
[raj_ops@sandbox ~]$ hadoop fs -cat /gaj/hussie-2.txt
Hi I am Hussie[raj_ops@sandbox ~]$ hadoop fs -du /gaj
14 /gaj/hussie-2.txt
0 /gaj/hussie.txt
[raj_ops@sandbox ~]$ hadoop fs -du -s /gaj
14 /gaj
[raj_ops@sandbox ~]$ hadoop fs -mkdir /salim
[raj_ops@sandbox ~]$ hadoop fs -cp /gaj/hussie-2.txt /salim
[raj_ops@sandbox ~]$ hadoop fs -ls /salim
Found 1 items
-rw-r--r-- 1 raj_ops hdfs 14 2024-01-31 03:39 /salim/hussie-2.txt
[raj_ops@sandbox ~]$ hadoop fs -cat /salim/hussie-2.txt
Hi I am Hussie[raj_ops@sandbox ~]$ hadoop fs -touchz /salim/omkar.txt
[raj_ops@sandbox ~]$ hadoop fs -mv /salim/omkar.txt /gaj
[raj_ops@sandbox ~]$ hadoop fs -ls /gaj
Found 3 items
-rw-r--r-- 3 raj_ops hdfs 14 2024-01-31 03:34 /gaj/hussie-2.txt
-rw-r--r-- 1 raj_ops hdfs 0 2024-01-31 03:30 /gaj/hussie.txt
-rw-r--r-- 1 raj_ops hdfs 0 2024-01-31 03:41 /gaj/omkar.txt
[raj_ops@sandbox ~]$ hadoop fs -ls /salim
Found 1 items
-rw-r--r-- 1 raj_ops hdfs 14 2024-01-31 03:39 /salim/hussie-2.txt
[raj_ops@sandbox ~]$ hadoop fs -stat /gaj
2024-01-31 03:42:29
[raj_ops@sandbox ~]$ hadoop fs -setrep 4 /gaj
Replication 4 set: /gaj/hussie-2.txt

```



```

[-reconfig <namenode|datanode> <host:ipc_port> <start|status|properties>]
[-printTopology]
[-refreshNamenodes datanode_host:ipc_port]
[-deleteBlockPool datanode_host:ipc_port blockpoolId [force]]
[-setBalancerBandwidth <bandwidth in bytes per second>]
[-fetchImage <local directory>]
[-allowSnapshot <snapshotDir>]
[-disallowSnapshot <snapshotDir>]
[-shutdownDatanode <datanode_host:ipc_port> [upgrade]]
[-getDatanodeInfo <datanode_host:ipc_port>]
[-metasave filename]
[-triggerBlockReport [-incremental] <datanode_host:ipc_port>]
[-help [cmd]]

```

Generic options supported are

```

-conf <configuration file>      specify an application configuration file
-D <property=value>             use value for given property
-fs <local|namenode:port>       specify a namenode
-jt <local|resourcemanager:port> specify a ResourceManager
-files <comma separated list of files> specify comma separated files to be copied to the map reduce cluster
-libjars <comma separated list of jars> specify comma separated jar files to include in the classpath
-archives <comma separated list of archives> specify comma separated archives to be unarchived on the compute machines.

```

The general command line syntax is

```
bin/hadoop command [genericOptions] [commandOptions]
```

```

[raj_ops@sandbox ~]$ su
Password:
su: incorrect password
[raj_ops@sandbox ~]$ su
Password:
su: incorrect password
[raj_ops@sandbox ~]$ sudo su

```

We trust you have received the usual lecture from the local System Administrator. It usually boils down to these three things:

- #1) Respect the privacy of others.
- #2) Think before you type.
- #3) With great power comes great responsibility.

```

[sudo] password for raj_ops:
raj_ops is not in the sudoers file. This incident will be reported.
[raj_ops@sandbox ~]$ su
Password:
su: incorrect password
[raj_ops@sandbox ~]$ █

```