ASSIGNMENT 1

1:jps command: (Java Virtual Machine Process Status Tool)

This command is used to check all the hadoop daemon like NameNode , DataNode , Resource Manager ,Node Manager etc which are running on the system.

```
[acadgild@localhost sbin]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
19/01/12 21:09:28 WARN util.NativeCodeLoader: Unable to load native-hadoop libr
asses where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/install/hadoop/hadoop-2
ocaldomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2
ocaldomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /home/acadgild/install/hadoop/h
node-localhost.localdomain.out
19/01/12 21:10:30 WARN util.NativeCodeLoader: Unable to load native-hadoop libr
asses where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5
localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoo
st.localdomain.out
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost sbin]$ js
bash: js: command not found
[acadgild@localhost sbin]$ jps
3298 SecondaryNameNode
3956 Jps
3509 ResourceManager
3612 NodeManager
3038 NameNode
3135 DataNode
```

2:ls command:

This command shows all the documents/ files in the folder.

```
[acadgild@localhost sbin]$ hadoop fs -ls /
19/01/12 21:24:49 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 5 items
drwxr-xr-x   - acadgild supergroup          0 2019-01-10 02:42 /Hbase
drwxr-xr-x   - acadgild supergroup          0 2019-01-11 05:55 /hbase
drwxr-xr-x   - acadgild supergroup          0 2018-02-02 12:49 /sqoopout111
drwxrwx---   - acadgild supergroup          0 2018-02-09 11:35 /tmp
drwxr-xr-x   - acadgild supergroup          0 2018-02-09 14:50 /user
```

3:mkdir command:

This command is used to make folder in hdfs.

```
[acadgild@localhost sbin]$ hadoop fs -mkdir /user/newfolder
19/01/12 21:28:03 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost sbin]$ hadoop fs -ls /user/
19/01/12 21:28:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
drwxr-xr-x   - acadgild supergroup          0 2018-02-09 14:50 /user/hive
drwxr-xr-x   - acadgild supergroup          0 2019-01-12 21:28 /user/newfolder
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost sbin]$
```

4:touchz command:

This command is used to make a new empty file in hadoop file System.

```
[acadgild@localhost sbin]$ hadoop fs -touchz /user/newfolder/xyy
19/01/12 21:30:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost sbin]$ hadoop fs -ls /user/newfolder
19/01/12 21:30:54 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 1 items
-rw-r--r--   1 acadgild supergroup          0 2019-01-12 21:30 /user/newfolder/xyy
[acadgild@localhost sbin]$
```

5:put command:

This command is used to copy file from local filesystem to hdfs.

6:cat command:

This command is used to view a file from hdfs.

```
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Hbase]$ hadoop fs -put /home/acadgild/Hbase/text.txt /newfolder/
19/01/12 22:10:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost Hbase]$ hadoop fs -ls /newfolder
19/01/12 22:10:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 1 items
-rw-r--r--   1 acadgild supergroup         69 2019-01-12 22:10 /newfolder/text.txt
[acadgild@localhost Hbase]$ hadoop fs -cat /newfolder/text.txt
19/01/12 22:10:53 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
1 amit 34
2 sameer 45
3 vinod 32
4 rohan 12
5 kishore 23
6 dybala 21
[acadgild@localhost Hbase]$
```

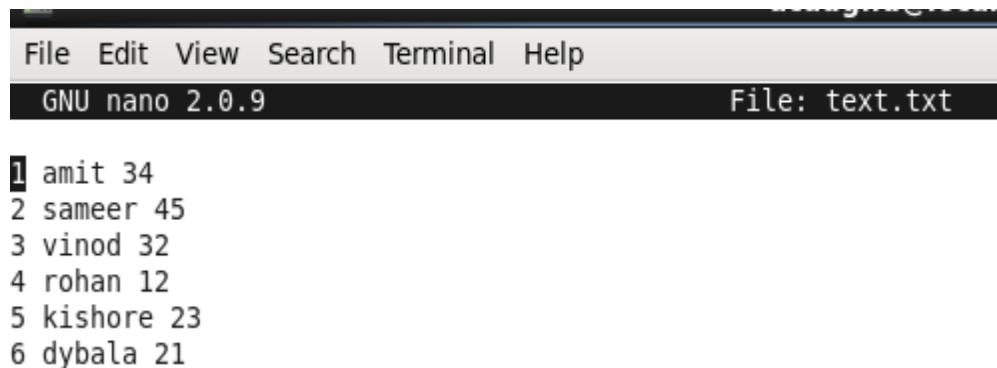## 7: df command:

Shows how much space is available

```
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost Hbase]$ hadoop fs -df
19/01/12 22:13:37 WARN util.NativeCodeLoader: Unable to load native-hadoop libr
asses where applicable
Filesystem                    Size      Used    Available  Use%
hdfs://localhost:8020   18369396736   892928   5876686848    0%
[acadgild@localhost Hbase]$ █
```

8:rm command:

This command is used to remove data from hdfs.

```
[acadgild@localhost Hbase]$ hadoop fs -rm /newfolder/text.txt
19/01/12 22:12:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-j
asses where applicable
19/01/12 22:12:42 INFO fs.TrashPolicyDefault: Namenode trash configuration: Deletion interval = 0 minutes, Emptier inte
 0 minutes.
Deleted /newfolder/text.txt
```

9:nano editor:

```
File  Edit  View  Search  Terminal  Help
 GNU nano 2.0.9                              File: text.txt

1 amit 34
2 sameer 45
3 vinod 32
4 rohan 12
5 kishore 23
6 dybala 21
```

Details of hdfs:

Hadoop   Overview   Datanodes   Snapshot   Startup Progress   Utilities

Overview 'localhost:8020' (active)

Started:	Sat Jan 12 21:09:45 IST 2019
Version:	2.6.5, re8c9fe0b4c252caf2ebf1464220599650f119997
Compiled:	2016-10-02T23:43Z by sjlee from branch-2.6.5
Cluster ID:	CID-7b3f9bd8-f34c-4fb8-87aa-f76b6dfbd809
Block Pool ID:	BP-437583619-127.0.0.1-1517555661954