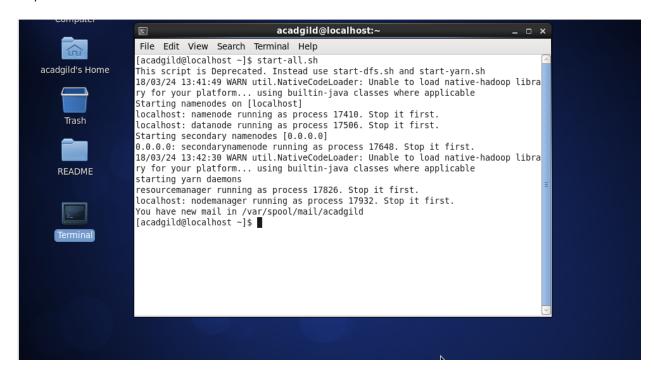
Session 1 - Assignment 1

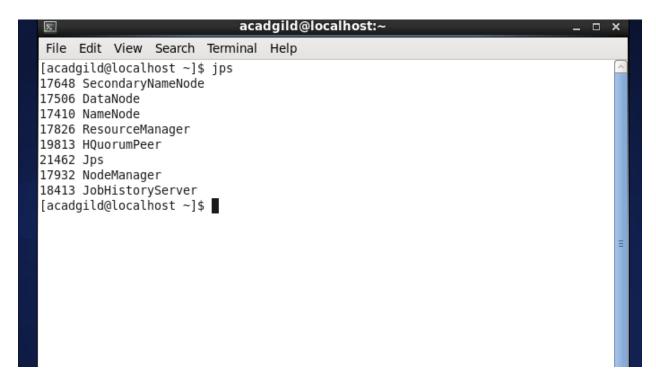
Tasks:

1)Start Hadoop singnode on acadgild VM .The command is start-all.sh

Output:

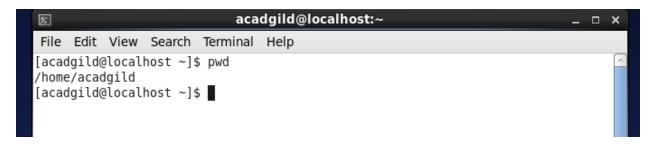


2)Run JPS command to see all Hadoop programs are running.



3) Run few Unix commands like:

a)PWD: To Print working directory.



b) Is – Command to list all files

-ls - Command to run on unix shell to list out all files and directories available in a user directory

```
Σ
                                                  acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ ls
CHARACTER SETS.java eclipse-workspace pig 1520769646200.log text.txt
                                       pig 1521982349747.log Videos
Desktop
                    install
Documents
                    Music
                                        pighello
Downloads
                    Person.java
                                        Public
eclipse
                    Pictures
                                        Templates
[acadgild@localhost ~]$ hadoop fs -ls /user
18/03/26 03:38:44 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Found 3 items
drwxr-xr-x

    acadgild supergroup

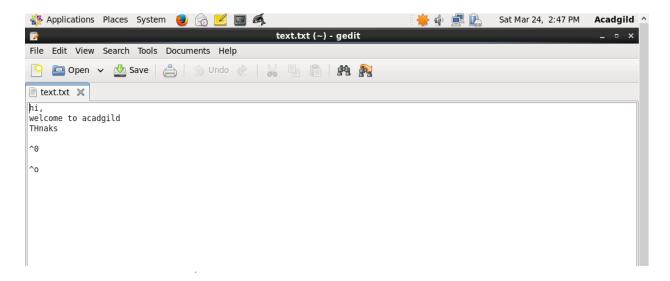
                                           0 2018-03-25 17:16 /user/acadgild

    acadgild supergroup

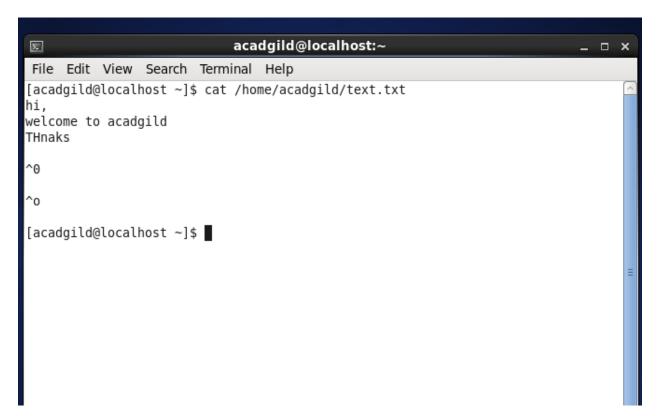
                                           0 2018-02-09 14:50 /user/hive
drwxr-xr-x
            1 acadgild supergroup 1670 2018-03-25 17:26 /user/pighello
-rw-r--r--
[acadgild@localhost ~]$
```

```
Σ
                                acadgild@localhost:~
                                                                                     _ 🗆 X
 File Edit View Search Terminal Help
[acadgild@localhost ~]$ ls -ls
total 52
4 drwxr-xr-x. 4 acadgild acadgild 4096 Mar 24 10:36 Desktop
4 drwxr-xr-x. 2 acadgild acadgild 4096 Feb 2 12:52 Documents
4 drwxr-xr-x. 2 acadgild acadgild 4096 Feb 13 14:24 Downloads
4 drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 16:59 eclipse
4 drwxrwxr-x. 3 acadgild acadgild 4096 Jan 16 14:02 eclipse-workspace
4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb 9 18:06 install
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Music
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Pictures
8 -rw-rw-r--. 1 acadgild acadgild 5228 Mar 11 17:33 pig 1520769646200.log
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Public
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Templates
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Videos
[acadgild@localhost ~]$
```

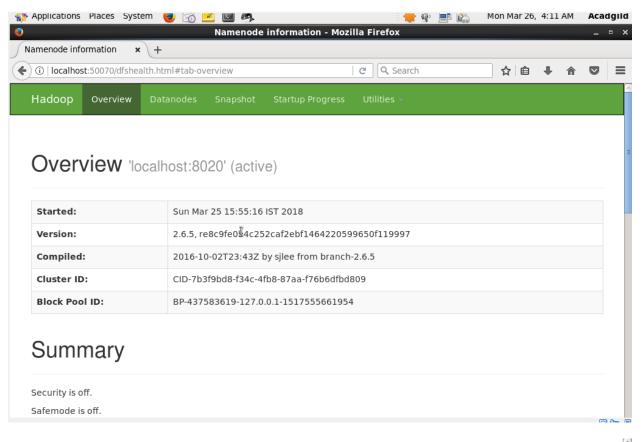
c)nano text.txt - Create a file to write content.



CAT -Display contents of the file



4) Open HDFS webpage by typing localhost:50070 in the web browser. Check all the details of the HDFS.



280 files and directories, 175 blocks = 455 total filesystem object(s).

Heap Memory used 47.25 MB of 60.42 MB Heap Memory. Max Heap Memory is 966.69 MB.

Non Heap Memory used 58.32 MB of 59.27 MB Committed Non Heap Memory. Max Non Heap Memory is -1 B.

Configured Capacity:	17.11 GB
DFS Used:	42.19 MB
Non DFS Used:	11.71 GB
DFS Remaining:	5.36 GB
DFS Used%:	0.24%
DFS Remaining%:	31.33%
Block Pool Used:	42.19 MB
Block Pool Used%:	0.24%
DataNodes usages% (Min/Median/Max/stdDev):	0.24% / 0.24% / 0.24% / 0.00%
Live Nodes	1 (Decommissioned: 0)
Dead Nodes	0 (Decommissioned: 0)
Decommissioning Nodes	0

Number of Under-Replicated Blocks	4
Number of Blocks Pending Deletion	0
Block Deletion Start Time	3/25/2018, 3:55:16 PM

NameNode Journal Status

NameNode Storage



