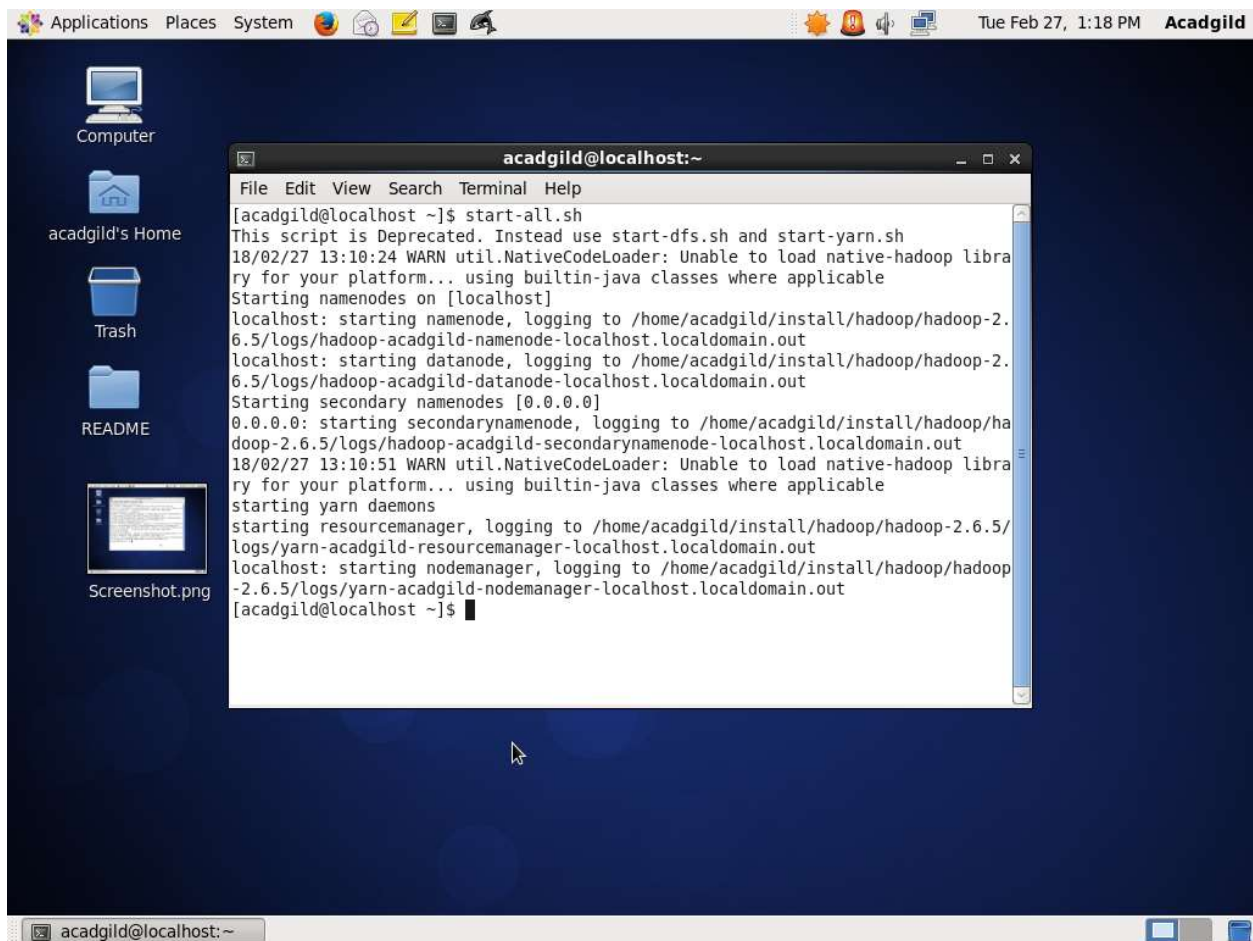


Assignment -1

1. start-all.sh

Starts all Hadoop daemons, the namenode, datanodes, the jobtracker and tasktrackers.

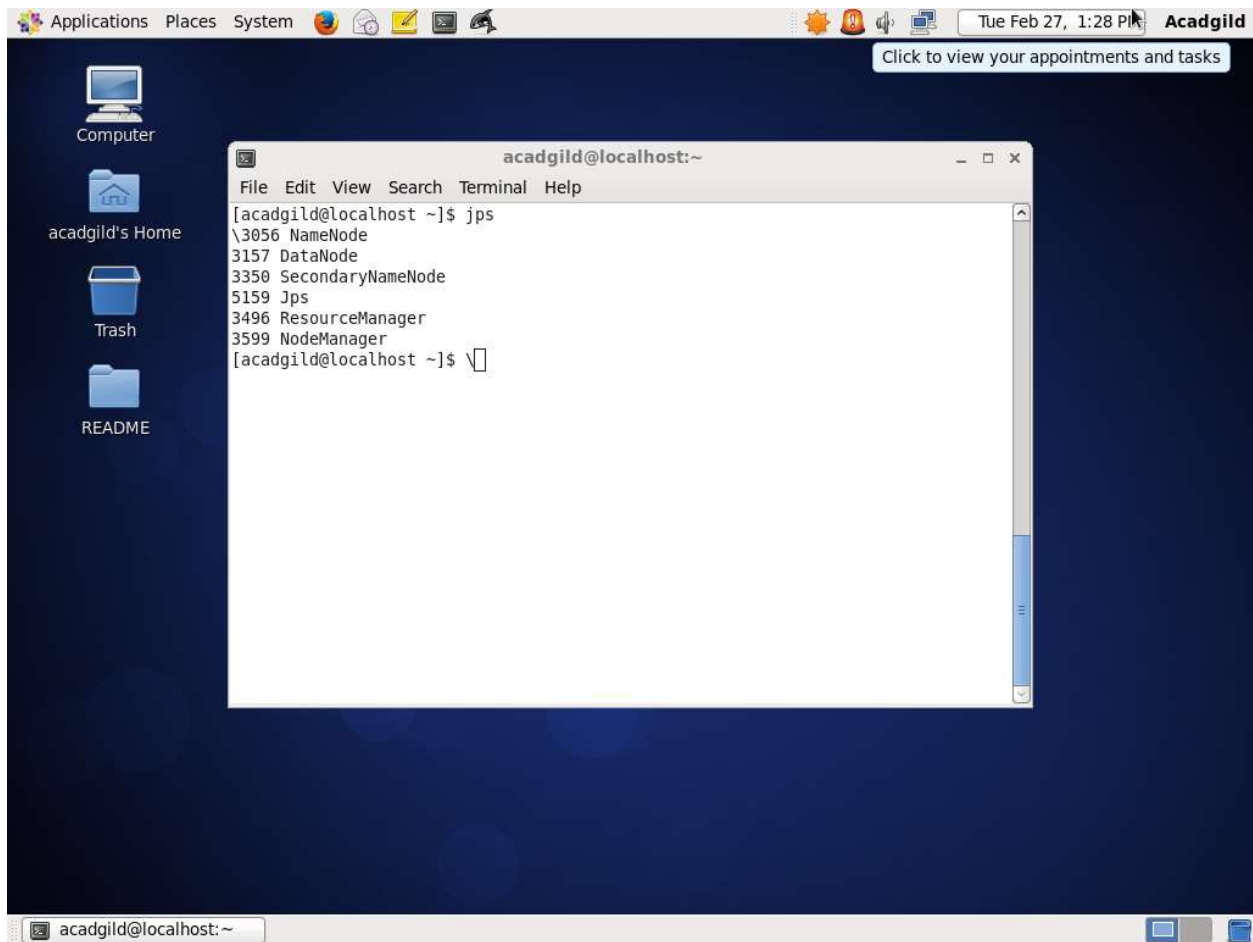


The screenshot shows a Linux desktop with a dark blue background. On the left sidebar, there are icons for 'Computer', 'acadgild's Home', 'Trash', 'README', and 'Screenshot.png'. The top panel displays 'Applications', 'Places', 'System', and system status icons. The terminal window, titled 'acadgild@localhost:~', shows the execution of the 'start-all.sh' script. The output indicates that the script is deprecated and suggests using 'start-dfs.sh' and 'start-yarn.sh' instead. It also shows warnings about the NativeCodeLoader and the starting of various Hadoop daemons (namenode, datanode, secondary namenodes, yarn daemons, resource manager, and node manager) on the localhost.

```
File Edit View Search Terminal Help
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/02/27 13:10:24 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/install/hadoop/hadoop-2.
6.5/logs/hadoop-acadgild-namenode-localhost.localdomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.
6.5/logs/hadoop-acadgild-datanode-localhost.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /home/acadgild/install/hadoop/ha
doop-2.6.5/logs/hadoop-acadgild-secondarynamenode-localhost.localdomain.out
18/02/27 13:10:51 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
ry for your platform... using builtin-java classes where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/install/hadoop/hadoop-2.6.5/
logs/yarn-acadgild-resourcemanager-localhost.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop
-2.6.5/logs/yarn-acadgild-nodemanager-localhost.localdomain.out
[acadgild@localhost ~]$
```

2. JPS

JPS command is used to check all the **Hadoop** daemons like NameNode, DataNode, SecondaryNameNode, Jps, ResourceManager, NodeManager. which are running on the machine.

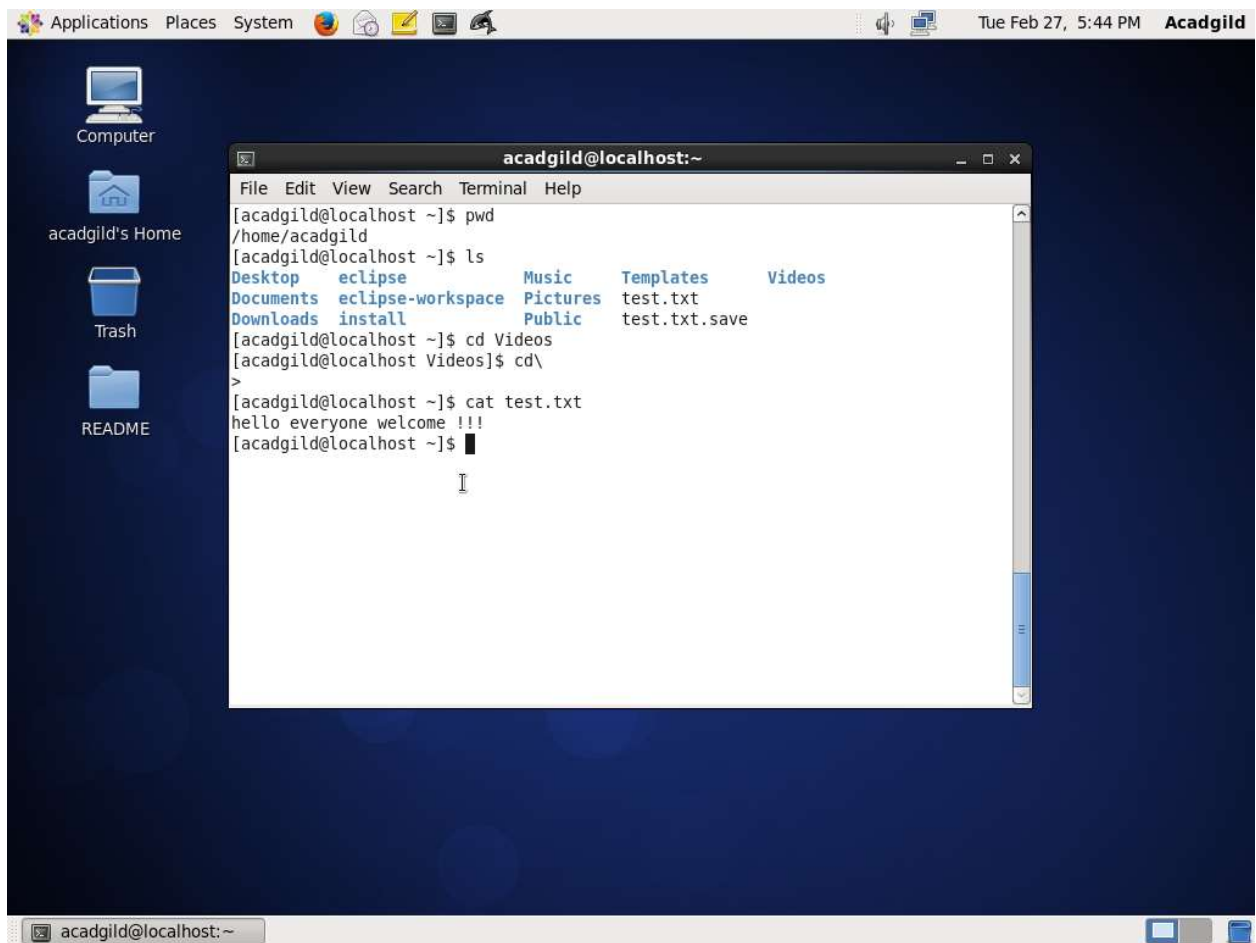


The screenshot shows a Linux desktop environment with a dark blue background. On the left side, there is a sidebar with icons for 'Computer', 'acadgild's Home', 'Trash', and 'README'. The top of the window features a menu bar with 'Applications', 'Places', and 'System', along with system status icons and a clock showing 'Tue Feb 27, 1:28 PM'. A notification bubble in the top right corner says 'Click to view your appointments and tasks'. In the center, a terminal window titled 'acadgild@localhost:~' is open. The terminal displays the output of the 'jps' command, which lists several Hadoop daemons and their corresponding process IDs. The output is as follows:

```
acadgild@localhost ~]$ jps
\3056 NameNode
3157 DataNode
3350 SecondaryNameNode
5159 Jps
3496 ResourceManager
3599 NodeManager
acadgild@localhost ~]$
```

3. Some UNIX commands

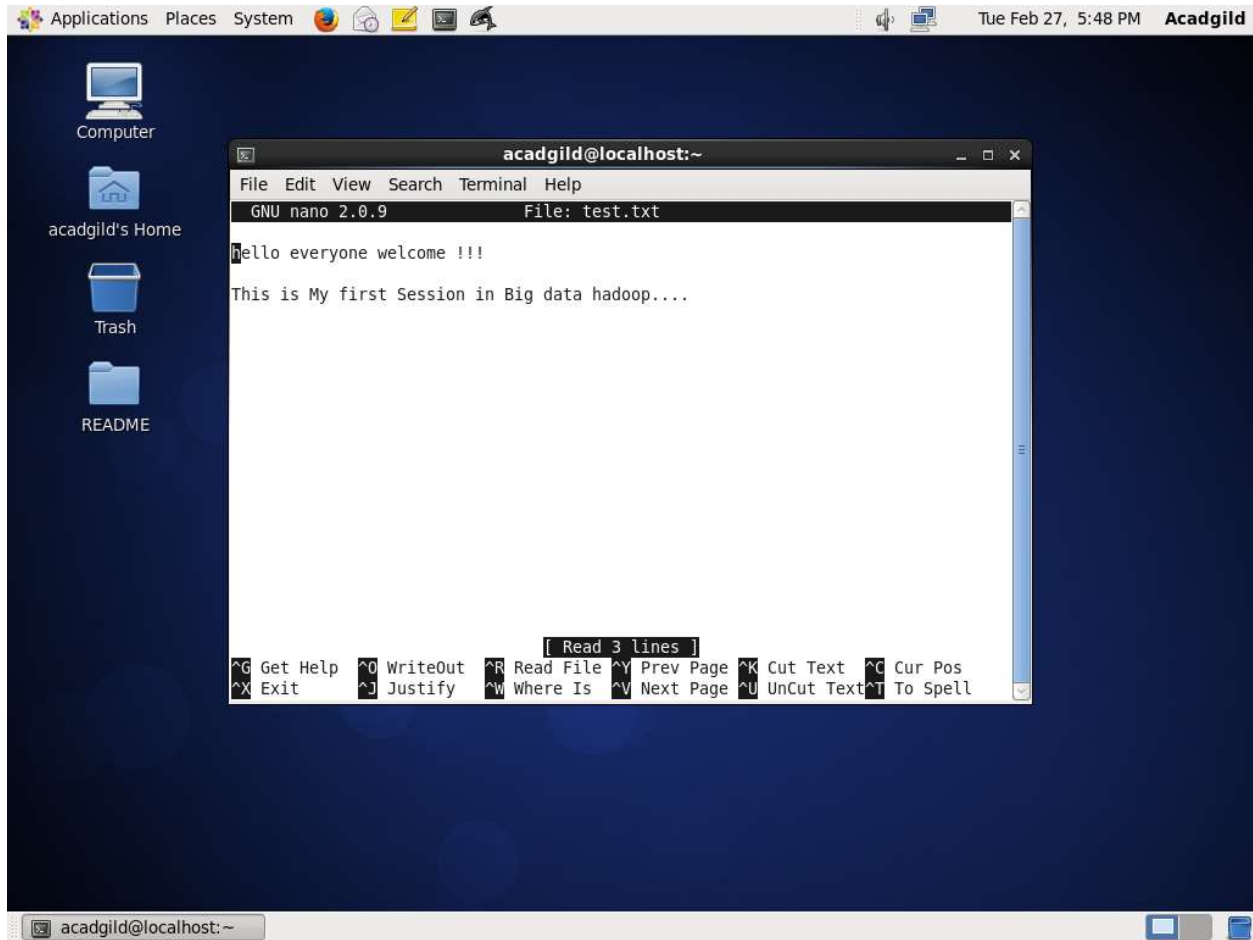
- **pwd**
Prints current working directory
- **ls**
List down different folders in that particular directory.
- **cd**
The **cd** command will allow you to change directories.
- **cat**
Cat is the command used to read one or more files and print their contents to standard output.



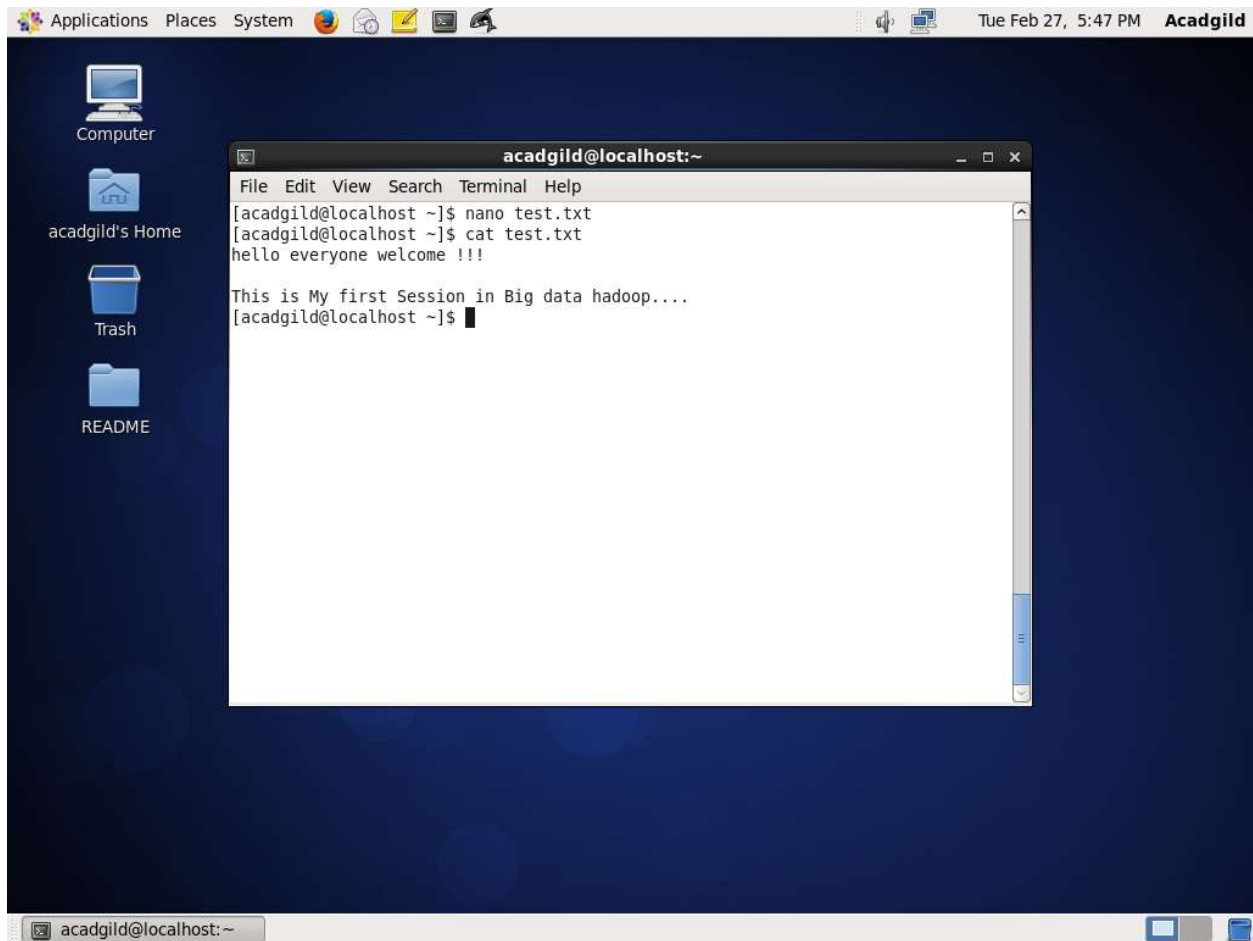
The screenshot shows a Linux desktop environment with a dark blue background. On the left side, there is a sidebar with icons for 'Computer', 'acagdild's Home', 'Trash', and 'README'. The top of the screen features a menu bar with 'Applications', 'Places', and 'System', along with system status icons and the date 'Tue Feb 27, 5:44 PM' and the username 'Acadgild'. A terminal window titled 'acadgild@localhost:~' is open in the center. The terminal displays the following commands and their outputs:

```
File Edit View Search Terminal Help
[acadgild@localhost ~]$ pwd
/home/acadgild
[acadgild@localhost ~]$ ls
Desktop  eclipse      Music      Templates  Videos
Documents eclipse-workspace Pictures    test.txt
Downloads install      Public     test.txt.save
[acadgild@localhost ~]$ cd Videos
[acadgild@localhost Videos]$ cd\
>
[acadgild@localhost ~]$ cat test.txt
hello everyone welcome !!!
[acadgild@localhost ~]$
```

4. Created a file from the terminal using nano editor (example: nano test.txt), and added text in it.



5. Used Cat command to see the content in the terminal.



6. Open the hdfs web page by typing localhost:50070 in the browser. Check all the details of the HDFS.

Applications Places System Tue Feb 27, 4:38 PM Acadgild

SecondaryNameNode information - Mozilla Firefox

SecondaryNameNode inf... x +

localhost:50090/status.html

Hadoop Overview

Overview

Version	2.6.5
Compiled	2016-10-02T23:43Z by sjlee from branch-2.6.5
NameNode Address	localhost:8020
Started	2/27/2018, 4:30:19 PM
Last Checkpoint	Never
Checkpoint Period	3600 seconds
Checkpoint Transactions	1000000

Checkpoint Image URI

- file:///file:/home/acadgild/install/hadoop/data/tmp/dfs/namesecondary

acadgild@localhost:~ SecondaryNameNode i...