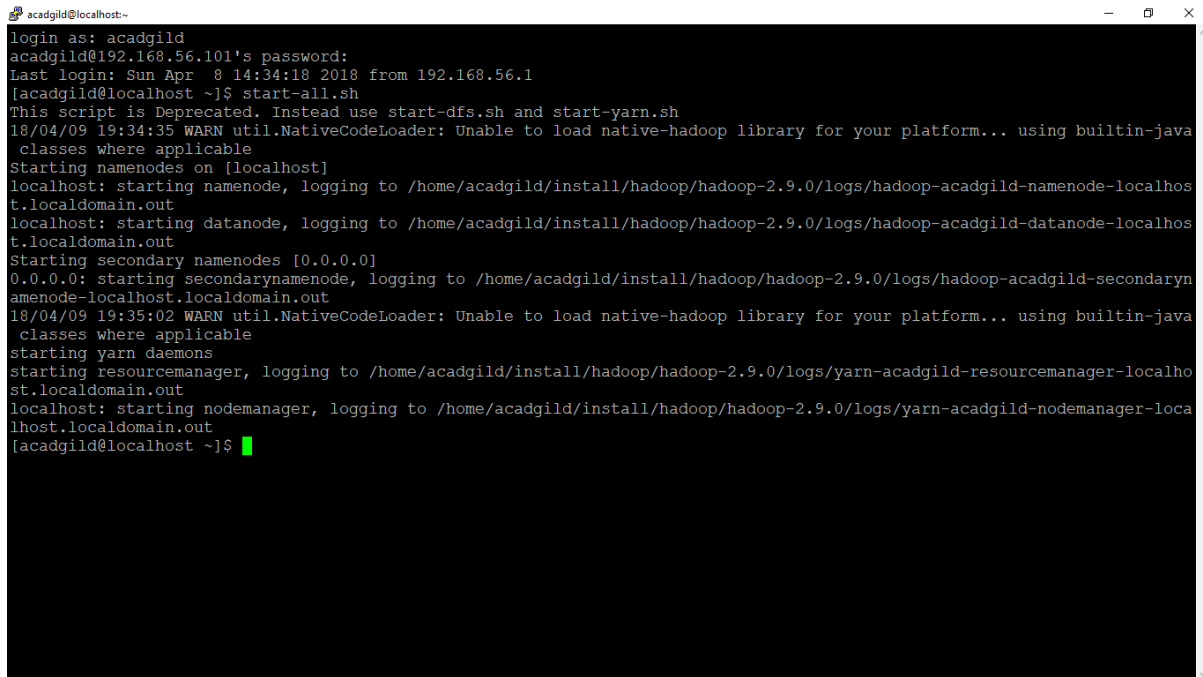


# ASSIGNMENT

## Task1

a) Command used: **start-all.sh**

A terminal window titled 'acadgild@localhost:~' showing the execution of the 'start-all.sh' script. The user logs in as 'acadgild' and runs the script. The script outputs several messages, including a deprecation warning and log entries for starting namenodes, datanodes, and yarn daemons. The terminal text is as follows:

```
login as: acadgild
acadgild@192.168.56.101's password:
Last login: Sun Apr  8 14:34:18 2018 from 192.168.56.1
[acadgild@localhost ~]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/04/09 19:34:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java
classes where applicable
Starting namenodes on [localhost]
localhost: starting namenode, logging to /home/acadgild/install/hadoop/hadoop-2.9.0/logs/hadoop-acadgild-namenode-localhos
t.localdomain.out
localhost: starting datanode, logging to /home/acadgild/install/hadoop/hadoop-2.9.0/logs/hadoop-acadgild-datanode-localhos
t.localdomain.out
Starting secondary namenodes [0.0.0.0]
0.0.0.0: starting secondarynamenode, logging to /home/acadgild/install/hadoop/hadoop-2.9.0/logs/hadoop-acadgild-secondaryn
amenode-localhost.localdomain.out
18/04/09 19:35:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java
classes where applicable
starting yarn daemons
starting resourcemanager, logging to /home/acadgild/install/hadoop/hadoop-2.9.0/logs/yarn-acadgild-resourcemanager-localho
st.localdomain.out
localhost: starting nodemanager, logging to /home/acadgild/install/hadoop/hadoop-2.9.0/logs/yarn-acadgild-nodemanager-loca
lhost.localdomain.out
[acadgild@localhost ~]$
```

## Task2

a) Command used: **jps -> to see if all deamons are started.**

```
acadmild@localhost:~  
[acadmild@localhost ~]$ jps  
3378 SecondaryNameNode  
4003 Jps  
3174 DataNode  
3066 NameNode  
3660 NodeManager  
3550 ResourceManager  
[acadmild@localhost ~]$
```

## Task3

a) Command Used: ls, pwd, cal, etc. unix commands

```
acadmild@localhost:~  
[acadmild@localhost ~]$  
[acadmild@localhost ~]$ pwd  
/home/acadmild  
[acadmild@localhost ~]$ ls  
cuserinfo      fil4.txt      musicdata.txt      Public  
dataset_Session 14.txt  file1.txt      olympix_data.csv   sample_commands.txt  
db.java        file2.txt     Pictures           sqoop_practice  
Demo.java      file3.txt     pig_1518255969554.log sqoop_practices  
Desktop        hadoop-common-2.9.0.jar pig_1518258058409.log task1.jar  
Documents      hadoop-mapreduce-client-core-2.9.0.jar pig_1518258064874.log Templates  
Downloads      hive          pig_1518259295510.log Transactions_Module7.csv  
eclipse        install       pig_1521808086205.log UniqueListeners.java  
eclipse-workspace jar           pig_1522176168556.log Videos  
fil1.txt       MaxTemperature pigwc.txt          word_count.txt  
fil2.txt       max_temp.txt  practicefile  
fil3.txt       Music         practice1  
[acadmild@localhost ~]$ cal  
April 2018  
Su Mo Tu We Th Fr Sa  
1 2 3 4 5 6 7  
8 9 10 11 12 13 14  
15 16 17 18 19 20 21  
22 23 24 25 26 27 28  
29 30  
[acadmild@localhost ~]$ ar  
Usage: ar [emulation options] [-]{dmpqrstx}[abcfilNoPsSuvV] [member-name] [count] archive-file file...  
ar -M [<mri-script>  
commands:  
d      - delete file(s) from the archive  
m[ab]  - move file(s) in the archive  
p      - print file(s) found in the archive  
q[f]   - quick append file(s) to the archive  
r[ab][f][u] - replace existing or insert new file(s) into the archive  
t      - display contents of archive
```

## Task 4

- a) Command used: `cat > demo.txt` -> to create a file and enter data into it after that.

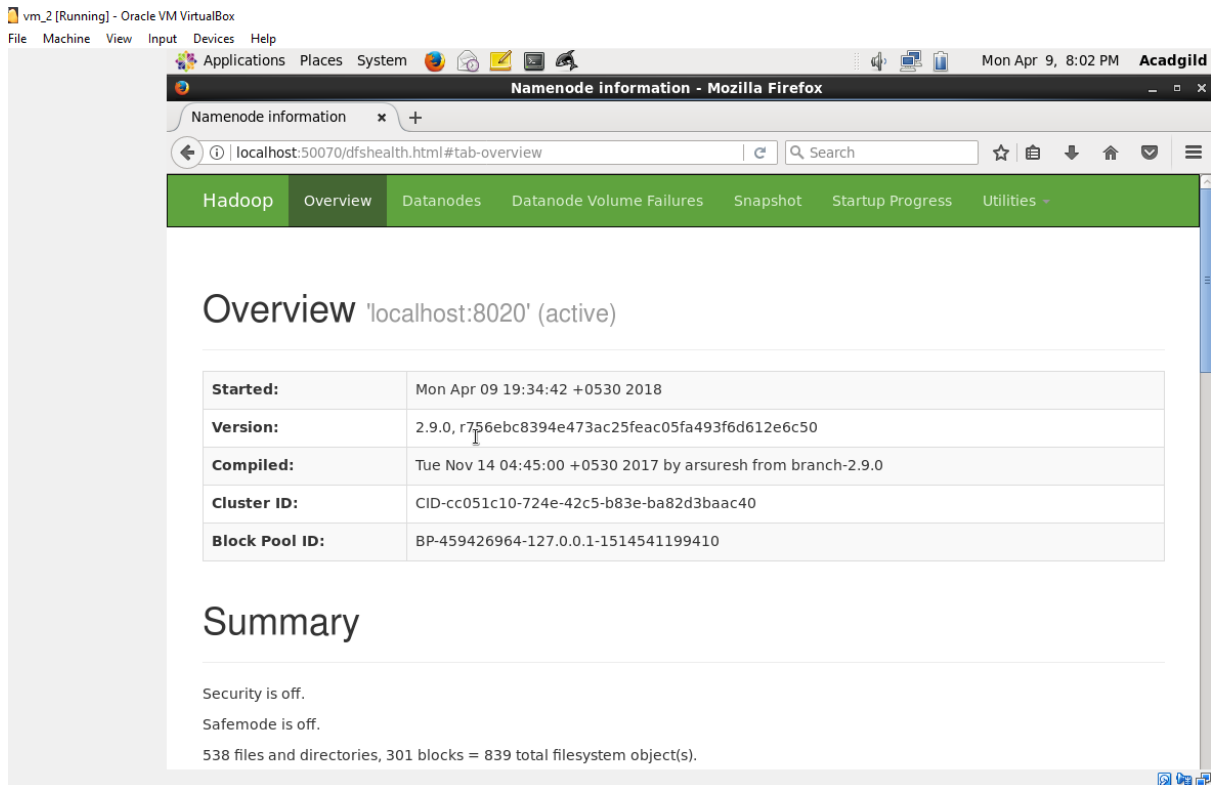
```
acadgild@localhost:~  
[acadgild@localhost ~]$ cat > demo.txt  
Acadgild provides the coaching in Big data  
course. This is essential to et into the  
the big companies.  
^C  
[acadgild@localhost ~]$ ls  
cuserinfo      fil3.txt      Music          practice1  
dataset_Session 14.txt  fil4.txt      musicdata.txt  Public  
db.java        file1.txt     olympix_data.csv sample_commands.txt  
Demo.java      file2.txt     Pictures       sqoop_practice  
demo.txt       file3.txt     pig_1518255969554.log sqoop_practices  
Desktop        hadoop-common-2.9.0.jar pig_1518258058409.log task1.jar  
Documents      hadoop-mapreduce-client-core-2.9.0.jar pig_1518258064874.log Templates  
Downloads      hive          pig_1518259295510.log Transactions_Module7.csv  
eclipse        install       pig_1521808086205.log UniqueListeners.java  
eclipse-workspace jar           pig_1522176168556.log Videos  
fil1.txt       MaxTemperature pigwc.txt      word_count.txt  
fil2.txt       max_temp.txt  pracicefile  
[acadgild@localhost ~]$
```

- b) Cat demo.txt -> to check the data into file

```
acadgild@localhost:~  
[acadgild@localhost ~]$ cat demo.txt  
Acadgild provides the coaching in Big data  
course. This is essential to et into the  
the big companies.  
[acadgild@localhost ~]$
```

## Task 5

### a) Checking localhost:50070 for hdfs details:

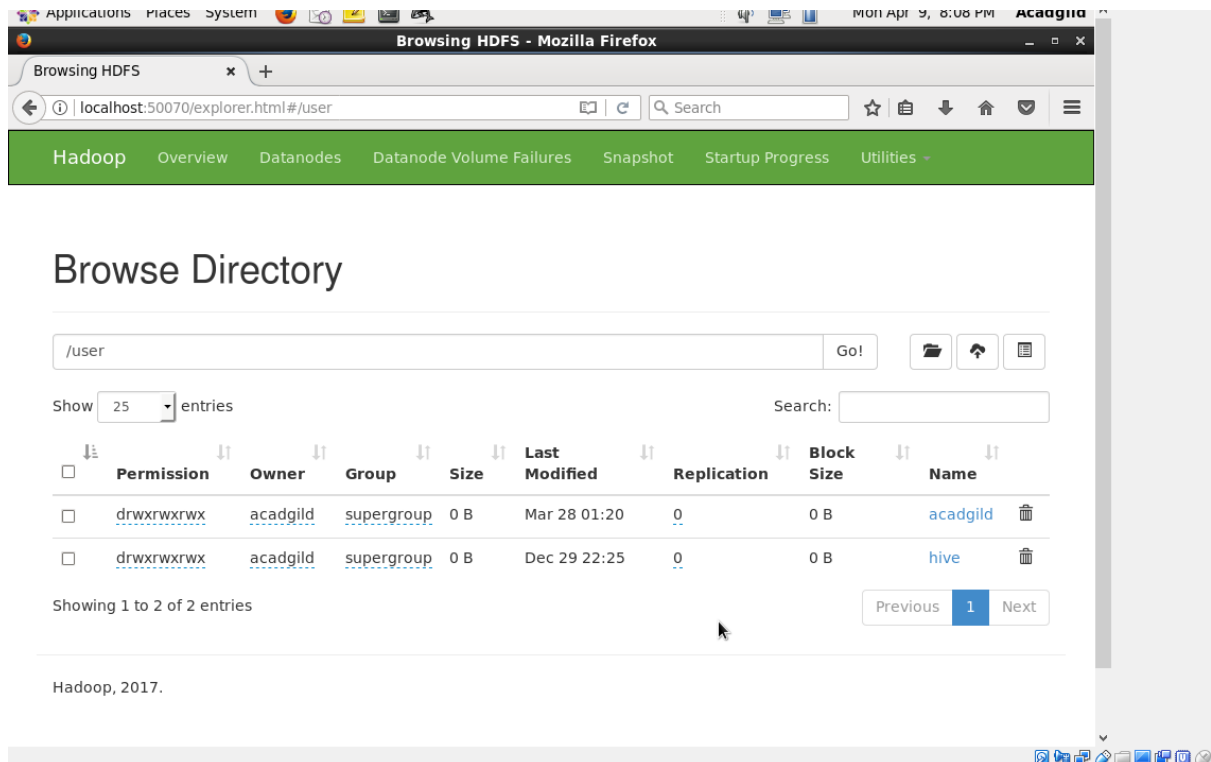


The screenshot shows the 'Namenode information - Mozilla Firefox' window. The address bar displays 'localhost:50070/dfshealth.html#tab-overview'. The page has a green navigation bar with tabs: Hadoop, Overview, Datanodes, Datanode Volume Failures, Snapshot, Startup Progress, and Utilities. The 'Overview' tab is selected, showing the title 'Overview 'localhost:8020' (active)'. Below the title is a table with the following details:

<b>Started:</b>	Mon Apr 09 19:34:42 +0530 2018
<b>Version:</b>	2.9.0, r756ebc8394e473ac25feac05fa493f6d612e6c50
<b>Compiled:</b>	Tue Nov 14 04:45:00 +0530 2017 by arsuresh from branch-2.9.0
<b>Cluster ID:</b>	CID-cc051c10-724e-42c5-b83e-ba82d3baac40
<b>Block Pool ID:</b>	BP-459426964-127.0.0.1-1514541199410

Below the table is a 'Summary' section with the following text:

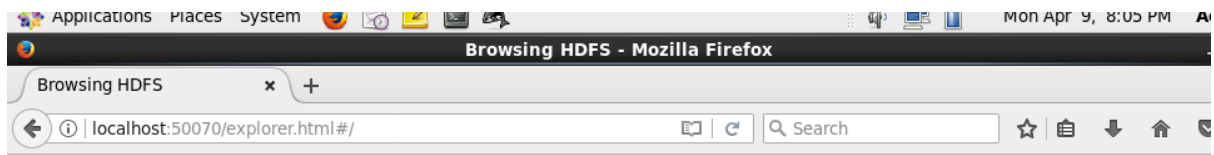
Security is off.  
Safemode is off.  
538 files and directories, 301 blocks = 839 total filesystem object(s).



The screenshot shows the 'Browsing HDFS - Mozilla Firefox' window. The address bar displays 'localhost:50070/explorer.html#/user'. The page has a green navigation bar with tabs: Hadoop, Overview, Datanodes, Datanode Volume Failures, Snapshot, Startup Progress, and Utilities. The 'Overview' tab is selected, showing the title 'Browse Directory'. Below the title is a search bar with the text '/user' and a 'Go!' button. Below the search bar is a 'Show 25 entries' dropdown and a 'Search:' input field. Below these is a table with the following columns: Permission, Owner, Group, Size, Last Modified, Replication, Block Size, and Name. The table contains two entries:

Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name
drwxrwxrwx	acadgild	supergroup	0 B	Mar 28 01:20	0	0 B	acadgild
drwxrwxrwx	acadgild	supergroup	0 B	Dec 29 22:25	0	0 B	hive

Below the table is a 'Showing 1 to 2 of 2 entries' message and a 'Previous 1 Next' pagination bar. At the bottom of the page is the text 'Hadoop, 2017.'



## Browse Directory

/

Go!

Show

25

entries

Search:

<input type="checkbox"/>	Permission	Owner	Group	Size	Last Modified	Replication	Block Size	Name	
<input type="checkbox"/>	<a href="#">-rw-r--r--</a>	<a href="#">acadgild</a>	<a href="#">supergroup</a>	145 B	Mar 07 23:00	<a href="#">1</a>	128 MB	<a href="#">hadoop</a>	
<input type="checkbox"/>	<a href="#">drwxr-xr-x</a>	<a href="#">acadgild</a>	<a href="#">supergroup</a>	0 B	Apr 04 20:25	<a href="#">0</a>	0 B	<a href="#">hbase</a>	
<input type="checkbox"/>	<a href="#">drwxr-xr-x</a>	<a href="#">acadgild</a>	<a href="#">supergroup</a>	0 B	Jan 16 13:57	<a href="#">0</a>	0 B	<a href="#">home</a>	
<input type="checkbox"/>	<a href="#">drwxr-xr-x</a>	<a href="#">acadgild</a>	<a href="#">supergroup</a>	0 B	Mar 21 22:38	<a href="#">0</a>	0 B	<a href="#">sqoop_practices</a>	
<input type="checkbox"/>	<a href="#">drwxrwx---</a>	<a href="#">acadgild</a>	<a href="#">supergroup</a>	0 B	Mar 28 01:34	<a href="#">0</a>	0 B	<a href="#">tmp</a>	
<input type="checkbox"/>	<a href="#">drwxrwxrwx</a>	<a href="#">acadgild</a>	<a href="#">supergroup</a>	0 B	Dec 29 22:25	<a href="#">0</a>	0 B	<a href="#">user</a>	