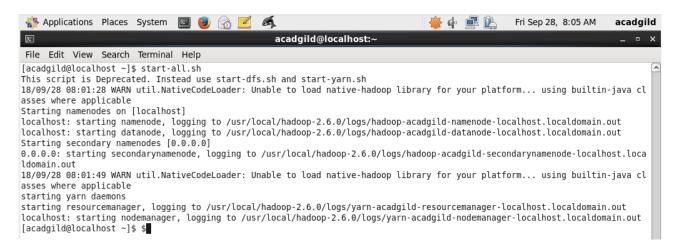
Task 1:

1) Start Hadoop single node on AcadGild VM. The command is start-all.sh.



2) Run a JPS command to see if all Hadoop daemons are running.

```
[acadgild@localhost ~]$ jps

12755 NameNode

13187 ResourceManager

13044 SecondaryNameNode

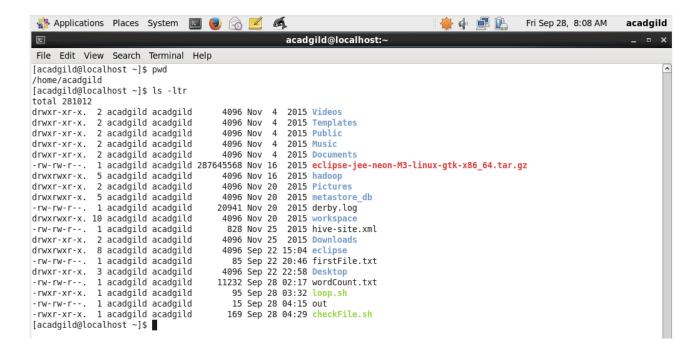
12856 DataNode

13289 NodeManager

13626 Jps

[acadgild@localhost ~]$ |
```

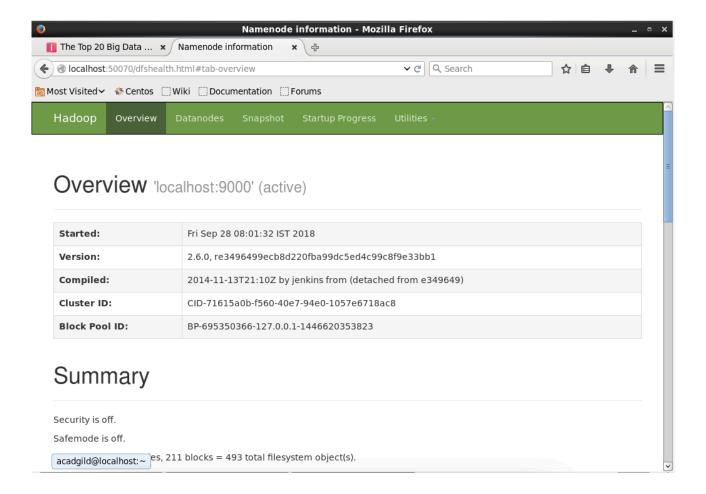
3) Run few Unix commands like pwd, ls -ls, etc.



4) Create a file from the terminal using nano editor (example: nano test.txt), and add some content in it.

Cat it to see if the content is saved.

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

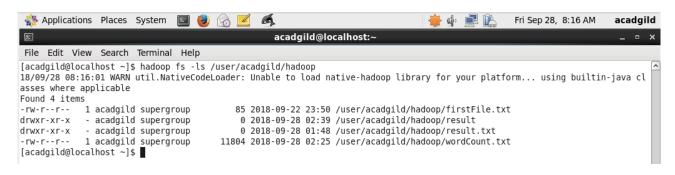


Task 2:

Check whether /user/acadgild directory exists or not in the HDFS.

If it doesn't exist, then create this.

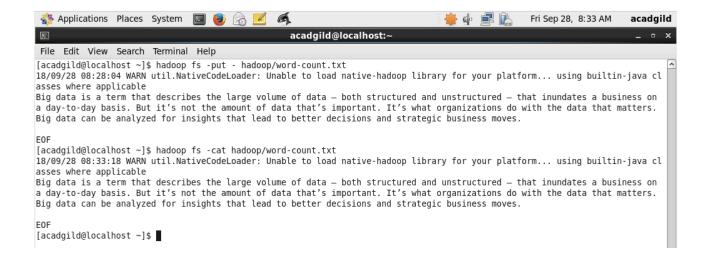
Create a directory /user/acadgild/hadoop.



Task 3:

Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt. Whatever we type on screen should get appended to the file.

Try to type (on screen) few lines from any online article or textbook.



Task 4:

Create a file max-temp.txt in local FS.

Put some 10-15 records of date and temperature example:

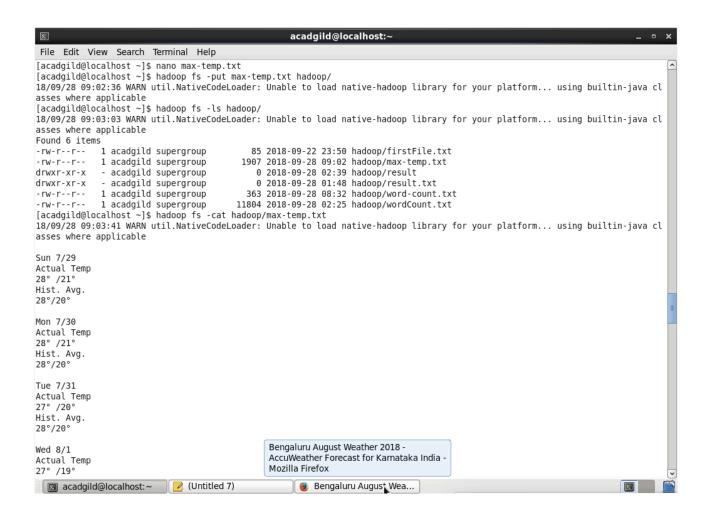
dd-mm-yyyy,temperature

Example:

10-01-1990,10

10-02-1991,20

Move this file to HDFS at /user/acadgild/hadoop.



Task 5:

Change the permission of the file /user/acadgild/hadoop/max-temp.txt, such that only the owner and

the group members have full control over the file. Others do not have any control over it.

```
File Edit View Search Terminal Help

[acadgild@localhost ~]$ hadoop fs -ls hadoop/max-temp.txt

18/09/28 09:07:03 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
-rw-r---- 1 acadgild supergroup 1907 2018-09-28 09:02 hadoop/max-temp.txt

[acadgild@localhost ~]$ hadoop fs -chmod 770 hadoop/max-temp.txt

18/09/28 09:07:55 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hadoop fs -ls hadoop/max-temp.txt

18/09/28 09:08:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
-rwxrwx--- 1 acadgild supergroup 1907 2018-09-28 09:02 hadoop/max-temp.txt

[acadgild@localhost ~]$ ■
```