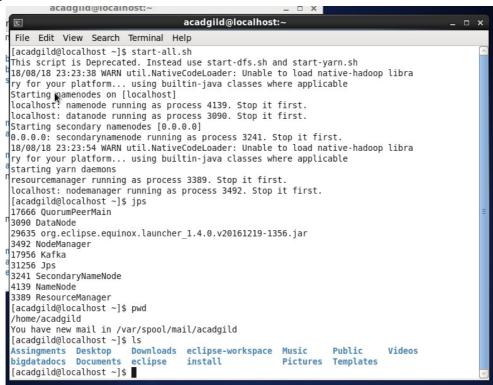
Assingment 1

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

Ans:



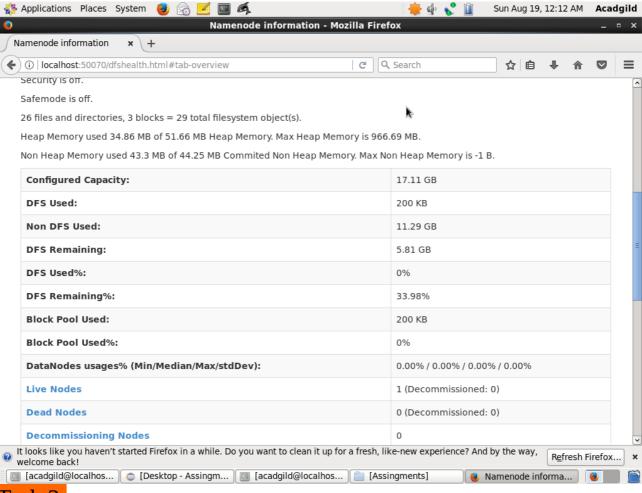
4) Create a file from the terminal using nano editor (example: nano test.txt), and add some content in it.

Cat it to see if the content is saved.

```
acadgild@localhost:~
 File Edit View Search Terminal Help
[acadgild@localhost ~]$ ls -ls
total 52
4 drwxrwxr-x. 2 acadgild acadgild 4096 Aug 18 23:37 Assingments
4 drwxrwxr-x. 2 acadgild acadgild 4096 Aug 18 21:40 bigdatadocs
4 drwxr-xr-x. 9 acadgild acadgild 4096 Aug 18 23:37 Desktop
4 drwxr-xr-x. 2 acadgild acadgild 4096 Aug 11 20:32 Documents
4 drwxr-xr-x. 2 acadgild acadgild 4096 Feb 13 2018 Downloads
  drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 2017 eclipse
drwxrwxr-x. 7 acadgild acadgild 4096 Aug 5 17:28 eclipse-workspace
4 drwxrwxr-x.
4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb
                                                                 2018 install
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27
                                                                 2017 Music
                                                                 2017 Pictures
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27
                                                                 2017 Public
                                                                 2017 Templates
                                                                 2017 Videos
[acadgild@localhost ~]$ nano Sample1.txt
You have new mail in /var/spool/mail/acadgil
[acadgild@localhost \sim]$ cat Sample1.txt
cat: Sample1.txt: No such file or directory
[acadgild@localhost ~]$ nano Sample1.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat Sample1.txt
I am in Nano Editor
[acadgild@localhost \sim]$ localhost:50070
bash: localhost:50070: command not found
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ [
```

5)Open the hdfs web page by typing localhost:50070 in the browser.

Ans:

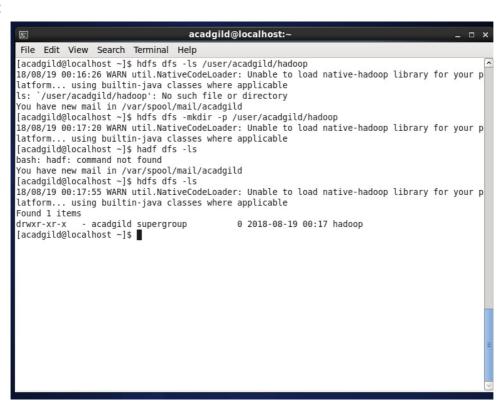


Task 2:

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

If it doesn't exist, then create this.

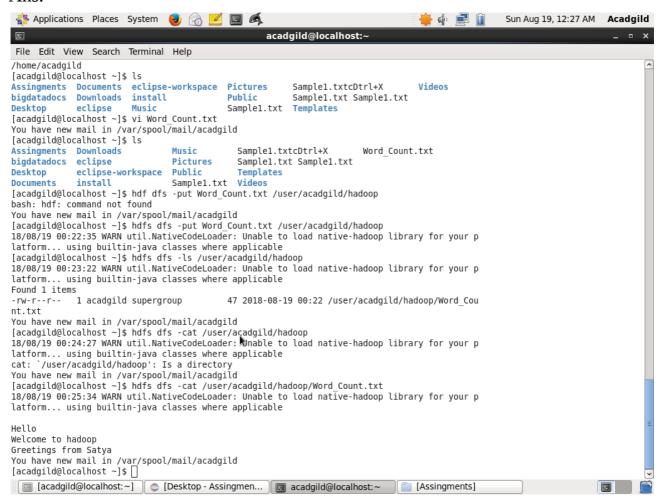
Create a directory /user/acadgild/hadoop.



Task 3:

Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt.

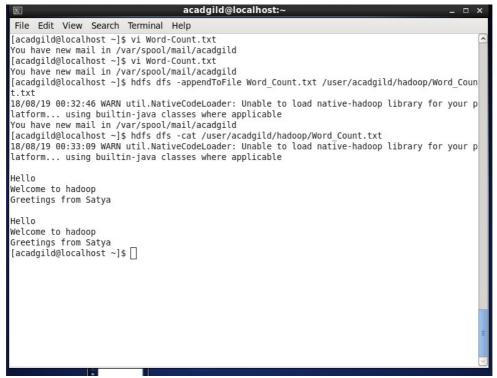
Ans:



Whatever we type on screen should get appended to the file.



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



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

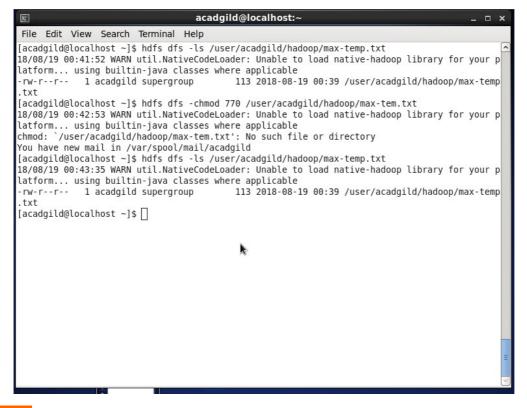
Example:

10-01-1990,10

10-02-1991,20

```
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ vi max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ pwd
/home/acadgild
[acadgild@localhost ~]$ ls
                                max-temp.txt Sample1.txt
Assingments Downloads
                                                                       Videos
bigdatadocs eclipse
                                              Sample1.txtcDtrl+X
                                Music
                                                                       Word Count.txt
Desktop
             eclipse-workspace Pictures
                                              Sample1.txt Sample1.txt Word-Count.txt
Documents
             install
                                Public
                                              Templates
[acadgild@localhost ~]$ hdfs dfs -put /home/acadgild/max-temp.txt /user/acadgild/hadoop
18/08/19 00:39:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your p
latform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop
18/08/19 00:40:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your p
latform... using builtin-java classes where applicable
Found 2 items
-rw-r--r--
            1 acadgild supergroup
                                           94 2018-08-19 00:32 /user/acadgild/hadoop/Word_Cou
nt.txt
            1 acadgild supergroup
                                          113 2018-08-19 00:39 /user/acadgild/hadoop/max-temp
-rw-r--r--
.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

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.

