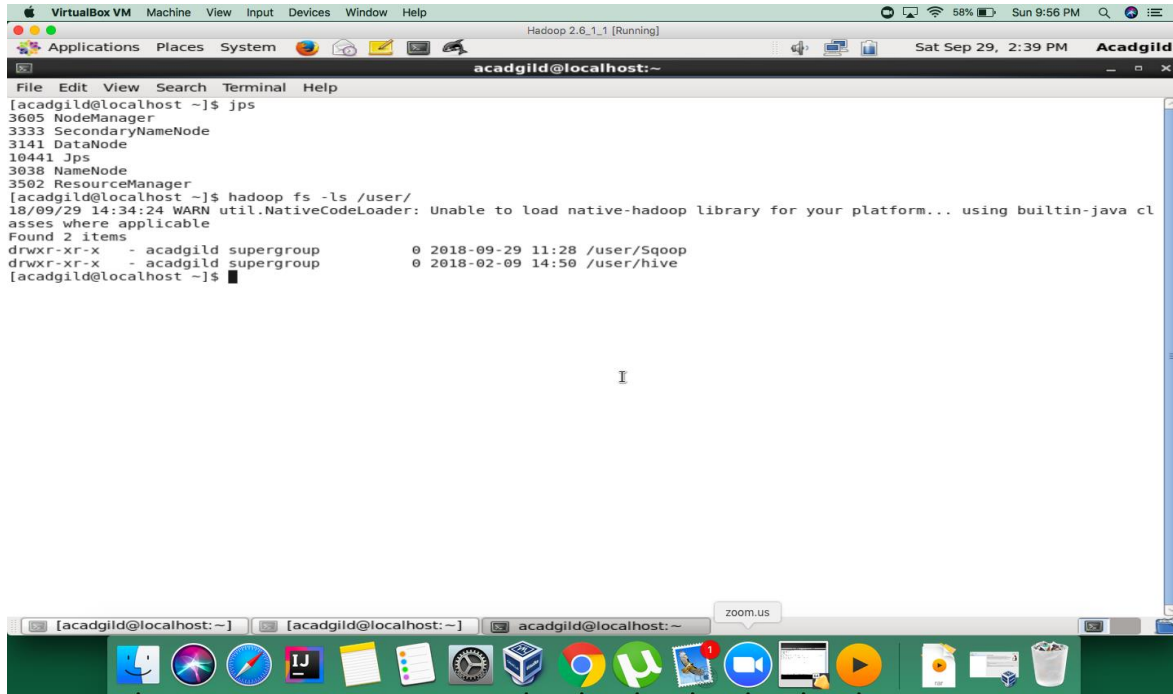


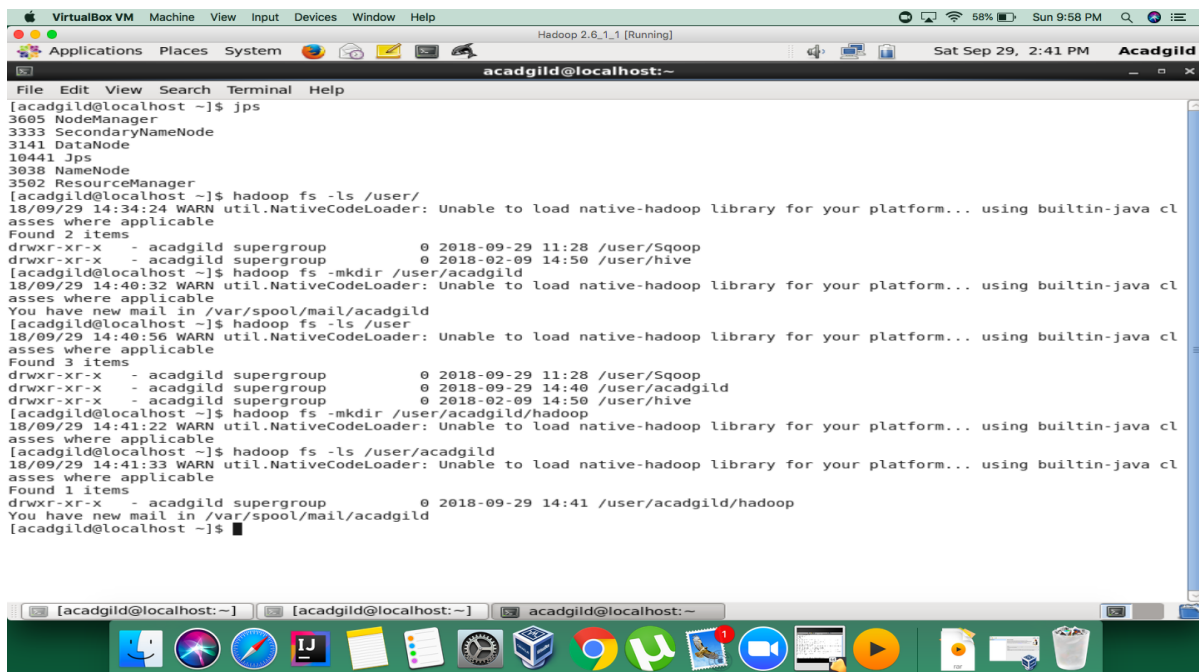
Session-2 Assignment-1

1. Checked if Acadgild directory exists or not.



The screenshot shows a terminal window titled 'Acadgild' with the prompt 'acadgild@localhost:~'. The user has run the command 'jps' and 'hadoop fs -ls /user/'. The output of 'jps' lists several Hadoop processes: NodeManager (3605), SecondaryNameNode (3333), DataNode (3141), Jps (10441), NameNode (3038), and ResourceManager (3502). The output of 'hadoop fs -ls /user/' shows two directories: 'Sqoop' (created 2018-09-29 11:28) and 'hive' (created 2018-02-09 14:50). The terminal also displays a warning message: '18/09/29 14:34:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl asses where applicable'.

2. Created acadgild directory inside the user directory. Inside the acadgild directory, created the hadoop directory.



The screenshot shows a terminal window titled 'Acadgild' with the prompt 'acadgild@localhost:~'. The user has run the command 'jps' and 'hadoop fs -ls /user/'. The output of 'jps' is the same as in the first screenshot. The output of 'hadoop fs -ls /user/' is the same as in the first screenshot. The user has then run the command 'hadoop fs -mkdir /user/acadgild'. The output of 'hadoop fs -ls /user/' now shows three directories: 'Sqoop' (created 2018-09-29 11:28), 'hive' (created 2018-02-09 14:50), and 'acadgild' (created 2018-09-29 14:40). The user has then run the command 'hadoop fs -ls /user/acadgild'. The output of 'hadoop fs -ls /user/acadgild' shows one directory: 'hadoop' (created 2018-09-29 14:41). The terminal also displays a warning message: '18/09/29 14:41:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl asses where applicable'.

3. Created word-count.txt file inside the hadoop directory.
4. Used command `hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt` to input the text from the command line itself.
5. Typed few lines on the command line that were entered into the word-count.txt. Checked the text file by using the cat command.

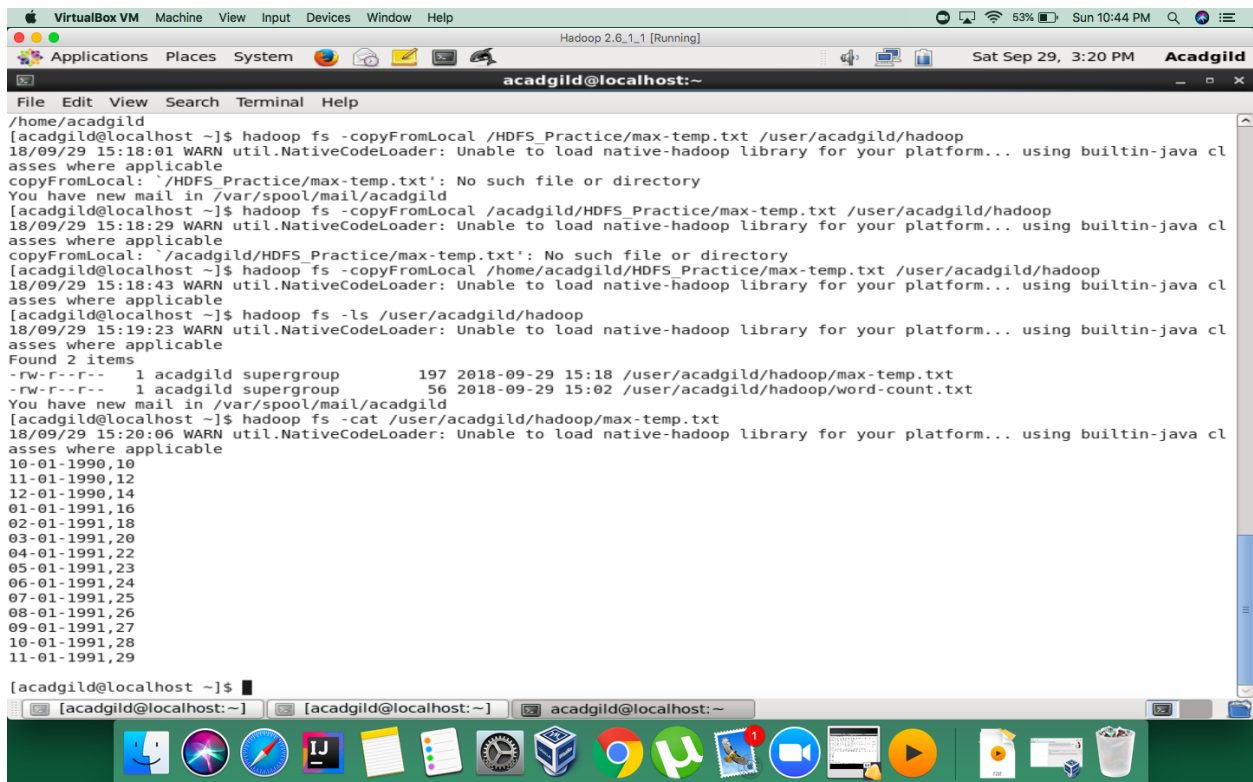
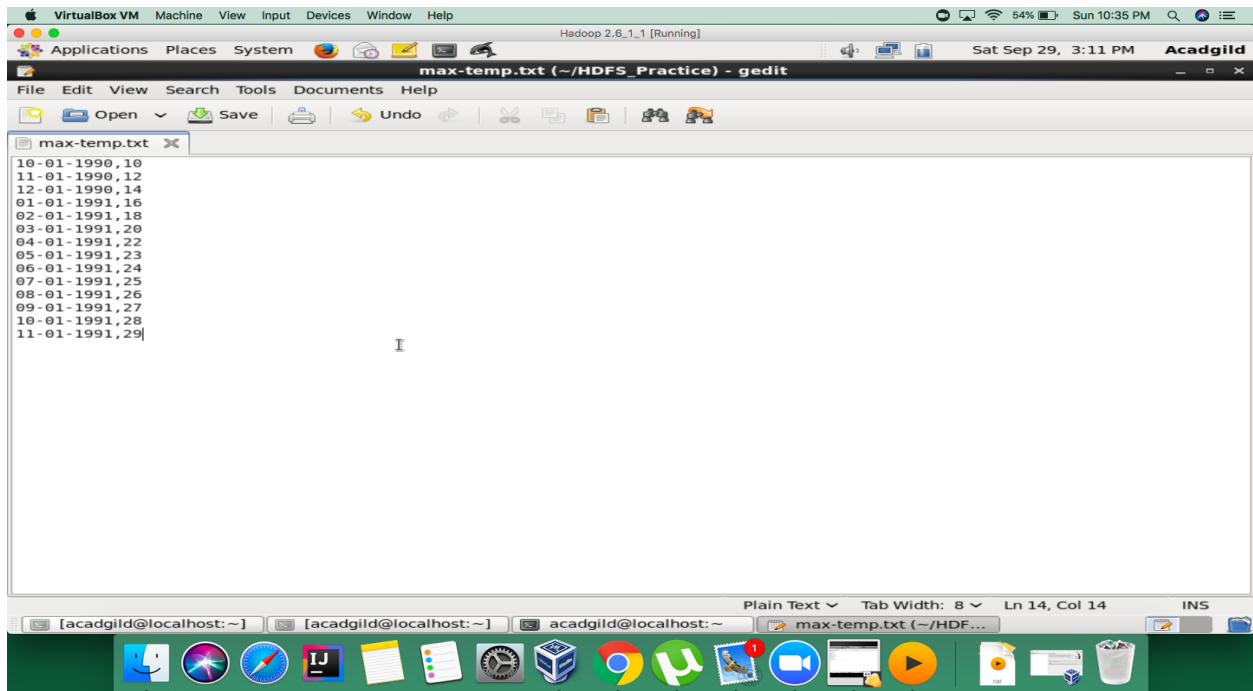
The screenshot shows a terminal window titled 'VirtualBox VM' with the guest OS 'Hadoop 2.6.1-1 [Running]'. The user 'acadgild' is logged in at 'localhost'. The terminal output shows the following sequence of commands and results:

```

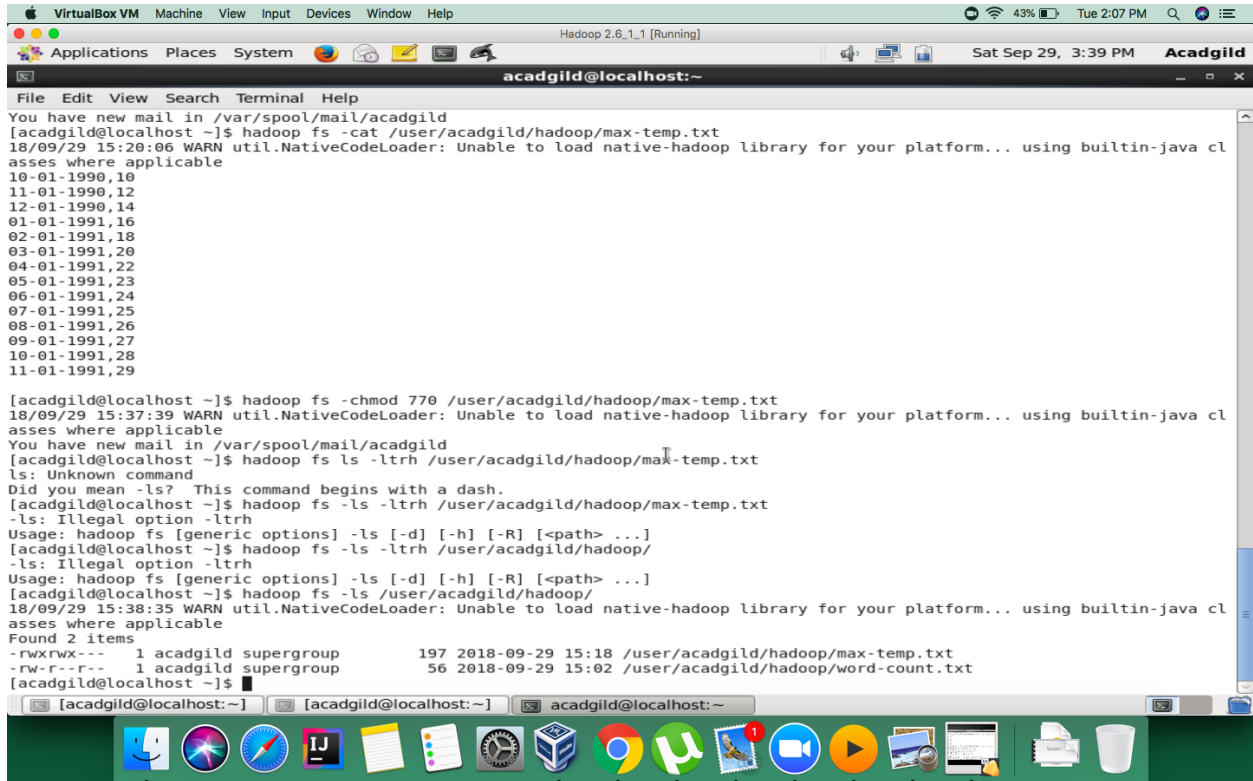
18/09/29 14:44:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 1 items
-rw-r--r--  1 acadgild supergroup          0 2018-09-29 14:44 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hadoop fs -append /user/acadgild/hadoop/word-count.txt
-append: Unknown command
[acadgild@localhost ~]$ hadoop fs --append /user/acadgild/hadoop/word-count.txt
--append: Unknown command
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -append /user/acadgild/hadoop/word-count.txt
-append: Unknown command
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/09/29 14:56:05 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat >> /user/acadgild/hadoop/word-count.txt
bash: /user/acadgild/hadoop/word-count.txt: No such file or directory
[acadgild@localhost ~]$ hadoop fs -appendToFile /user/acadgild/hadoop/word-count.txt
appendToFile: missing destination argument
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
appendToFile: missing destination argument
[acadgild@localhost ~]$ hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/09/29 15:01:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Yugant Manav
Abhinav Mishra
Ankit Joshi
Tanubhav Sharma
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/09/29 15:02:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Yugant Manav
Abhinav Mishra
Ankit Joshi
Tanubhav Sharma
[acadgild@localhost ~]$

```

6. Created max-temp.txt and input the data into it on the local file system.
7. Moved the file to HDFS by using the command `hadoop fs -copyFromLocal /user/acadgild/hadoop`



8. Changed the permission of the file so that the file is accessible by the owner and the group only by using the command `hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt`



```
VirtualBox VM Machine View Input Devices Window Help
Hadoop 2.6.1_1 [Running]
Applications Places System
Sat Sep 29, 3:39 PM Acadgild
acadgild@localhost:~
File Edit View Search Terminal Help
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/09/29 15:20:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
10-01-1990,10
11-01-1990,12
12-01-1990,14
01-01-1991,16
02-01-1991,18
03-01-1991,20
04-01-1991,22
05-01-1991,23
06-01-1991,24
07-01-1991,25
08-01-1991,26
09-01-1991,27
10-01-1991,28
11-01-1991,29

[acadgild@localhost ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/09/29 15:37:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs ls -ltrh /user/acadgild/hadoop/max-temp.txt
ls: Unknown command
Did you mean -ls? This command begins with a dash.
[acadgild@localhost ~]$ hadoop fs -ls -ltrh /user/acadgild/hadoop/max-temp.txt
-ls: Illegal option -ltrh
Usage: hadoop fs [generic options] -ls [-d] [-h] [-R] [<path> ...]
[acadgild@localhost ~]$ hadoop fs -ls -ltrh /user/acadgild/hadoop/
-ls: Illegal option -ltrh
Usage: hadoop fs [generic options] -ls [-d] [-h] [-R] [<path> ...]
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/
18/09/29 15:38:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
-rwxrwx-- 1 acadgild supergroup      197 2018-09-29 15:18 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup      56 2018-09-29 15:02 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```