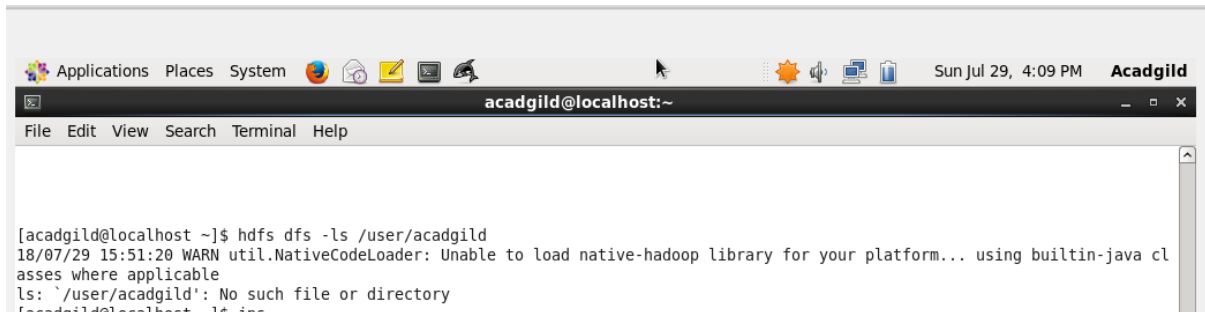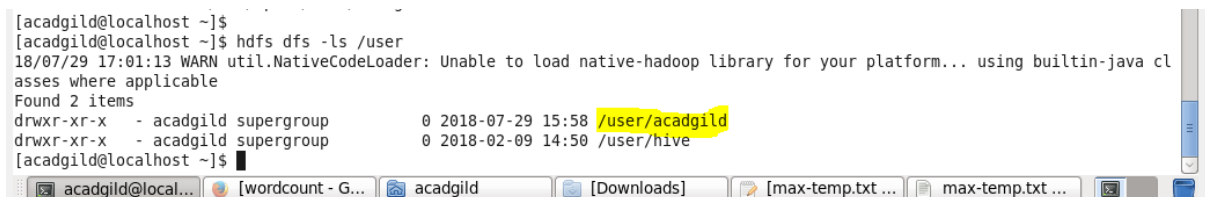# Assignment-2

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

In the given path, /user/acadgild directory is not present in HDFS.
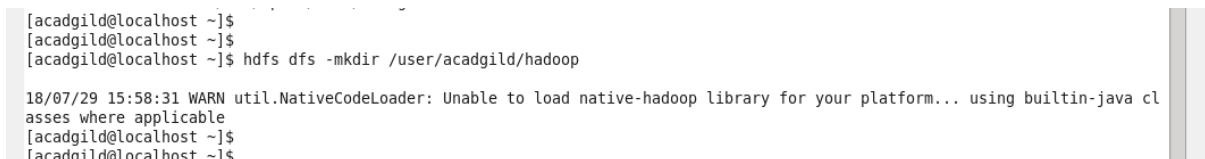


```
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild
18/07/29 15:51:20 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
ls: `/user/acadgild': No such file or directory
[acadgild@localhost ~]$ jps
```

Created the folder /user/acadgild in HDFS.

```
[acadgild@localhost ~]$
[acadgild@localhost ~]$ hdfs dfs -ls /user
18/07/29 17:01:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
drwxr-xr-x   - acadgild supergroup          0 2018-07-29 15:58 /user/acadgild
drwxr-xr-x   - acadgild supergroup          0 2018-02-09 14:50 /user/hive
[acadgild@localhost ~]$
```

Created the folder hadoop in /user/acadgild.

```
[acadgild@localhost ~]$
[acadgild@localhost ~]$
[acadgild@localhost ~]$ hdfs dfs -mkdir /user/acadgild/hadoop

18/07/29 15:58:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$
[acadgild@localhost ~]$
```

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

Created the file word-count.txt in /user/acadgild/hadoop in HDFS.

- ➤ Initially the created file is empty
- ➤ Some text is added to the file using the below command:
- ➤ echo "text" | hadoop fs –appendToFile /user/acadgild/hadoop/word-count.txt. The text provided in the command is passed using pipe(|) command to appendToFile which will append the text to the file.
- ➤ Now the contents of the file are viewed using the **hdfs cat** command.
- ➤ Again some content is appended to the file and it is viewed using the **cat** command.
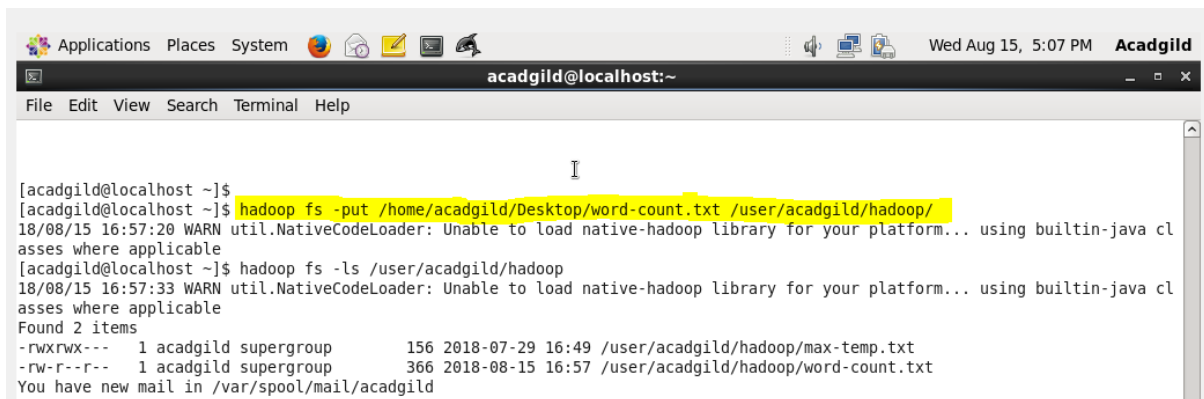
Another solution for the above task:

A file is created on the desktop of VM with name **word-count.txt** with contents in it.
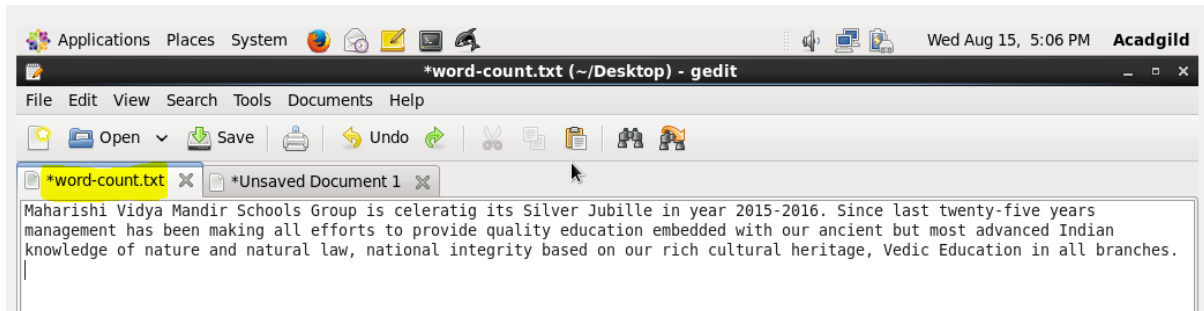
This is copied to the HDFS directory (**/user/acadgild/hadoop**) using the command highlighted in the screenshot.

Now the contents of the copied file are viewed using the **cat** command as the highlighted in the screenshot.
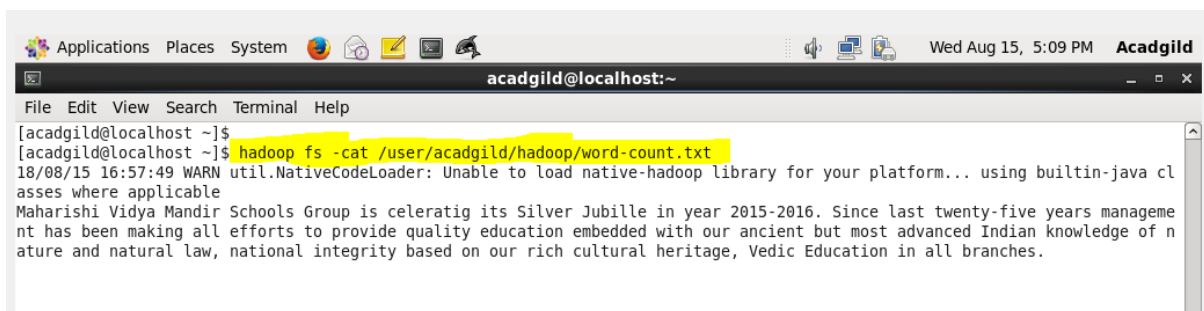
Now some more contents added to the file word-count.txt which is present in the desktop of VM.
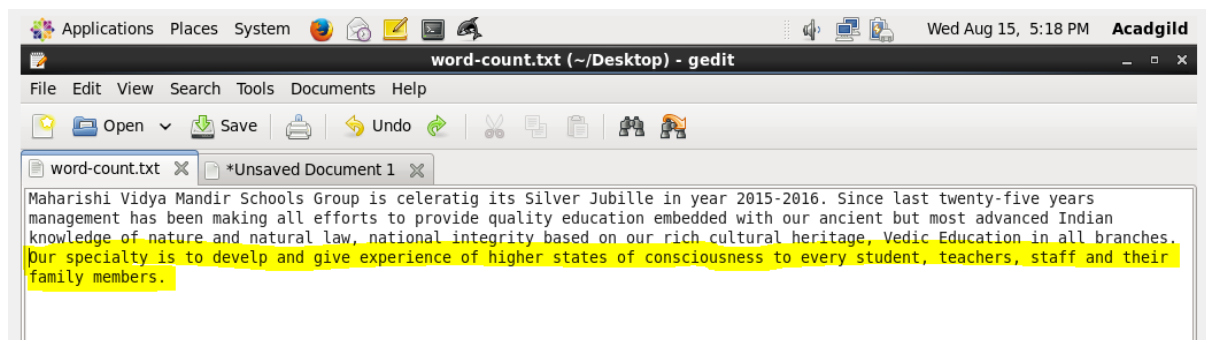
Now using the command highlighted in the screenshot, the file content is appended to the file which is present in the hdfs.
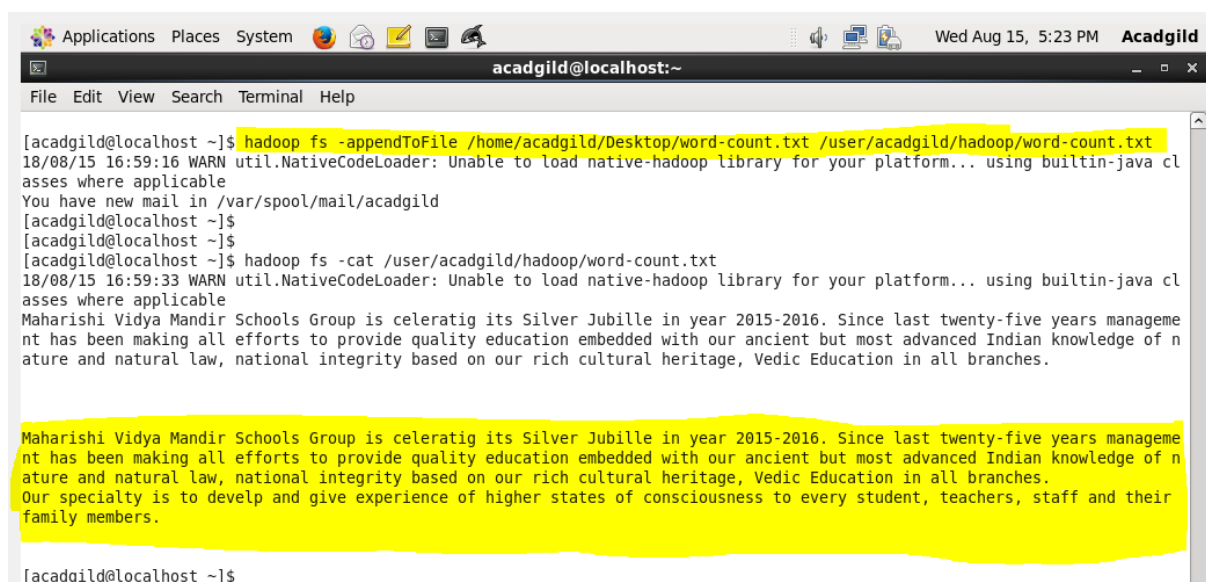
3). Create a file max-temp.txt in local FS.

Created file max-temp.txt in local FS.
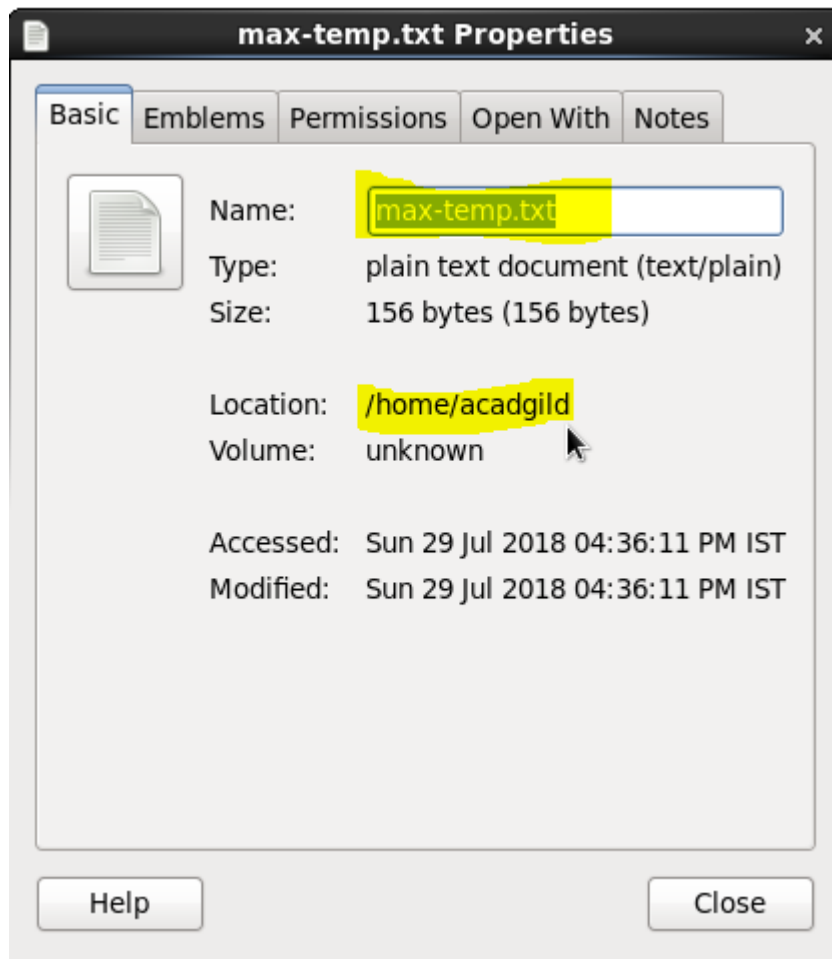
12 records has been written in a max-temp.txt file.
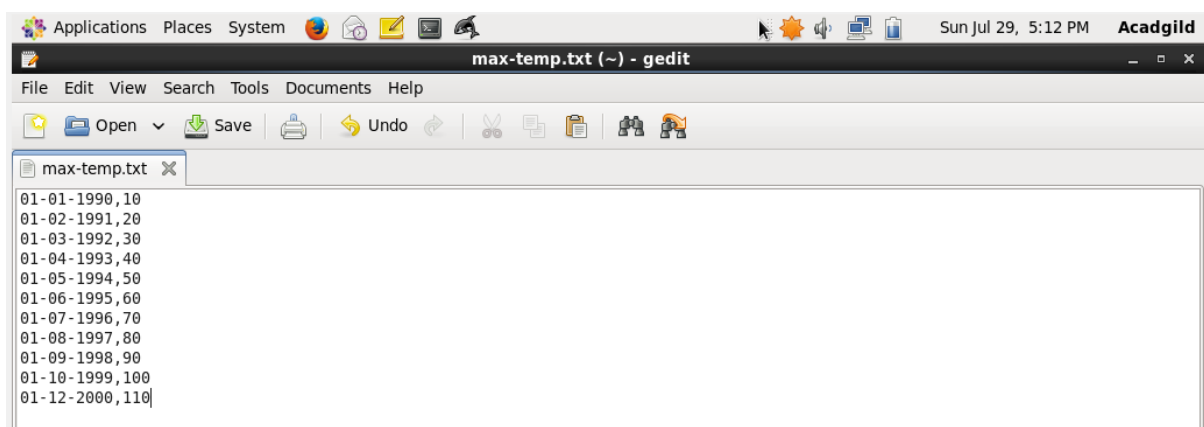
File max-temp.txt from local FS has been moved to /user/acadgild/hadoop path in HDFS.

```
[acadgild@localhost ~]$
[acadgild@localhost ~]$ hdfs dfs -put /home/acadgild/max-temp.txt /user/acadgild/hadoop/
18/07/29 16:49:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$
[acadgild@localhost ~]$
[acadgild@localhost ~]$
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/07/29 16:50:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
-rw-r--r--   1 acadgild supergroup        156 2018-07-29 16:49 /user/acadgild/hadoop/max-temp.txt
-rw-r--r--   1 acadgild supergroup          0 2018-07-29 16:02 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
You have new mail in /var/spool/mail/acadgild
```

4). 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.

File permissions has been changed such that only the owner and group members will have full control on it.

```
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/07/29 16:50:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 2 items
-rw-r--r--   1 acadgild supergroup        156 2018-07-29 16:49 /user/acadgild/hadoop/max-temp.txt
-rw-r--r--   1 acadgild supergroup          0 2018-07-29 16:02 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
[acadgild@localhost ~]$ hdfs dfs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/07/29 16:52:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/07/29 16:52:20 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        156 2018-07-29 16:49 /user/acadgild/hadoop/max-temp.txt
-rw-r--r--   1 acadgild supergroup          0 2018-07-29 16:02 /user/acadgild/hadoop/word-count.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
You have new mail in /var/spool/mail/acadgild
```