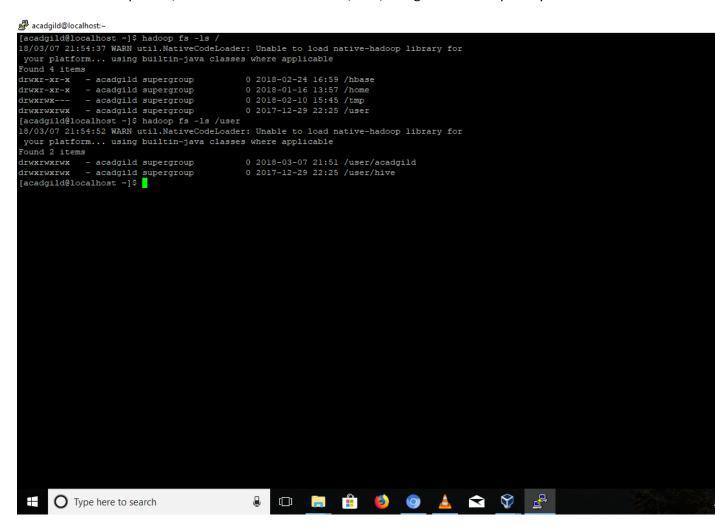
Assignment 2.1

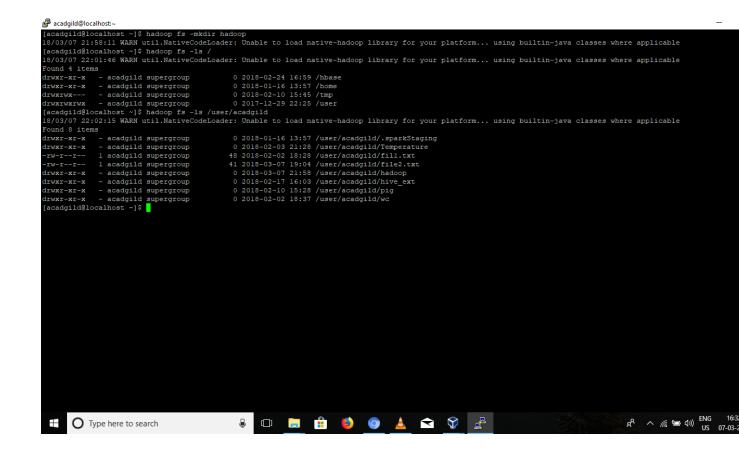
Task 1.

Command used:

- a. Hadoop fs –ls / : directories details of hadoop file system along with their read, write and execute details for user, group and other access.
- b. Hadoop fs –ls /user: details for directories /user/acadgildis in hadoop file system.



c. Hadoop fs –mkdir hadoop: hadoop directory is made in the hadoop file system



Task 2.

Command used:

a. Hadoop fs -appendToFile - hadoop/word_count.txt

: appendToFile is used to append data from source to destination, if source is "-"

Data directly gets added to destination file and if file is not present at destination directory it gets created automatically. In this case, the file is **word_count.txt**

```
acadgild@localhost:~
[acadgild@localhost ~]$ hadoop fs -appendToFile - hadoop/word_count.txt
18/03/07 23:26:28 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
big data
is large sets
of data handled by
hadoop and spark
^C18/03/07 23:27:48 WARN hdfs.DataStreamer: Caught exception
java.lang.InterruptedException
       at java.lang.Object.wait(Native Method)
       at java.lang.Thread.join(Thread.java:1252)
       at java.lang.Thread.join(Thread.java:1326)
       at org.apache.hadoop.hdfs.DataStreamer.closeResponder(DataStreamer.java:980)
       at org.apache.hadoop.hdfs.DataStreamer.endBlock(DataStreamer.java:630)
       at org.apache.hadoop.hdfs.DataStreamer.run(DataStreamer.java:807)
[acadgild@localhost ~]$
                                                   [[]]
                                                               O Type here to search
```

Task3

Command used:

- a. Cat > max_temp.txt : create max_temp file in local file system and insert the data by typing on the screen.
- b. Hadoop fs -put max_temp.txt hadoop : push the file max_temp.txt to hadoop directory into hadoop file system from local file system
- c. Hadoop fs –ls hadoop : locate the recently pushed file into hadoop filesystem
- d. Hadoop fs -cat hadoop/max_temp.txt : to open the file and locate the data present in it.

```
| Canady | Calcock | Calco
```

Task 4

Command used:

a. Hadoop fs –ls hadoop : to know the permission available for the file max_temp.txt

[acadgild@localhost ~]\$

[acadgild@localhost ~]\$ hadoop fs -ls hadoop

```
18/03/08 00:09:10 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
Found 2 items
                                            98 2018-03-07 23:31 hadoop/max temp.txt
-rw-r--r-- l acadgild supergroup
-rw-r--r--
                                            60 2018-03-07 23:27 hadoop/word_count.txt
           l acadgild supergroup
[acadgild@localhost ~]$ su hadoop
su: user hadoop does not exist
[acadgild@localhost ~]$ hadoop fs -ls /hadoop
18/03/08 00:11:34 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
-rw-r--r-- l acadgild supergroup
                                          145 2018-03-07 23:00 /hadoop
[acadgild@localhost ~]$ hadoop fs -ls hadoop
18/03/08 00:11:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
Found 2 items
                                            98 2018-03-07 23:31 hadoop/max_temp.txt
            l acadgild supergroup
-rw-r--r--
-rw-r--r-- 1 acadgild supergroup
                                            60 2018-03-07 23:27 hadoop/word count.txt
[acadgild@localhost ~]$ su supergroup su: user supergroup does not exist
[acadgild@localhost ~]$ su hadoop
su: user hadoop does not exist
[acadgild@localhost ~]$ cd hadoop
-bash: cd: hadoop: No such file or directory
[acadgild@localhost ~]$ cd avcadgild
-bash: cd: avcadgild: No such file or directory
[acadgild@localhost ~]$ cd acadgild
-bash: cd: acadgild: No such file or directory
[acadgild@localhost ~]$ su acadgild
Password:
su: incorrect password
[acadgild@localhost ~]$ hadoop fs -chmod o+rw /hadoop/max temp.txt
18/03/08 00:13:32 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
chmod: `/hadoop/max_temp.txt': No such file or directory
[acadgild@localhost ~]$ hadoop fs -chmod g+rw /hadoop/max_temp.txt
18/03/08 00:14:26 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
chmod: `/hadoop/max_temp.txt': No such file or directory
[acadgild@localhost ~]$ hadoop fs -chmod g+rw /user/acadgild/hadoop/max temp.txt
18/03/08 00:15:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for
your platform... using builtin-java classes where applicable
                                                    Type here to search
```

- b. Hadoop fs -chmod u+rwx g+rwx o-rwx /user/acadgild/hadoop/max_temp.txt
 - : chmod is the command to change the permission access to various file and directories.



[acadgild@localhost ~]\$

