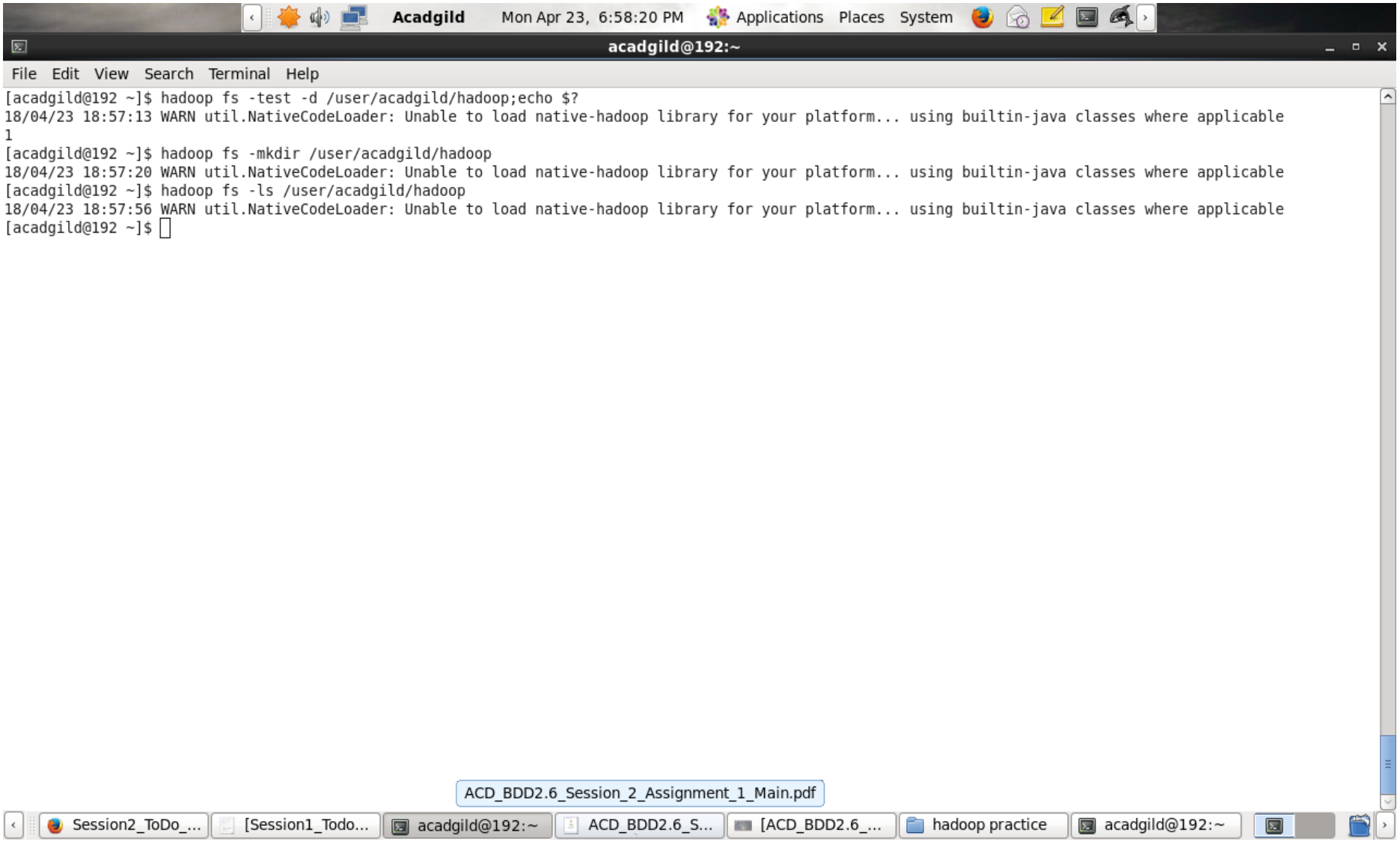
Task 1: Checking whether /user/acadgild directory exists or not in the HDFS, if not create the same – here echo$? Will return 1 if not exists, if exits it will return 0.

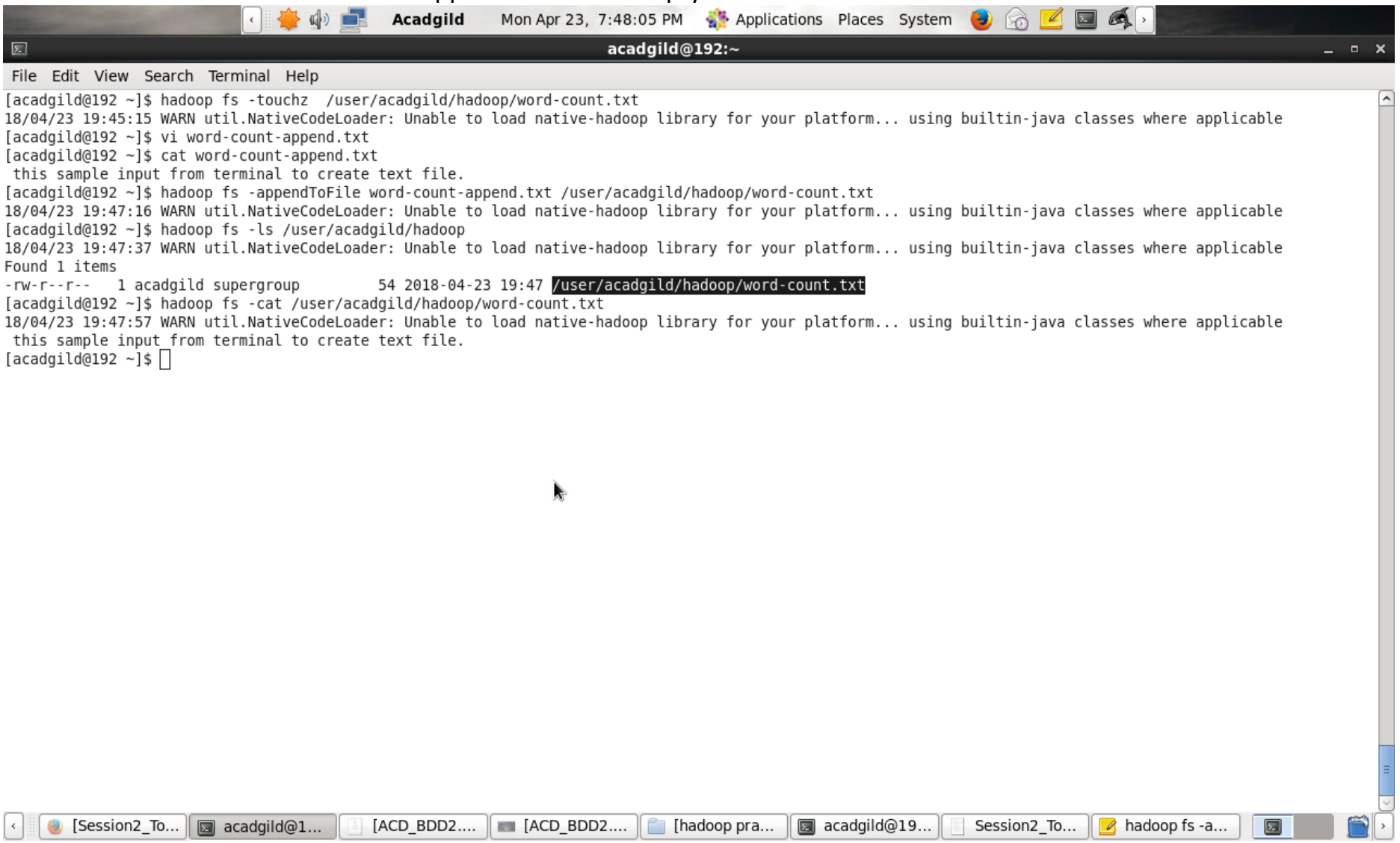
Similarly using –MKDIR creating /user/acadgild/hadoop directory.



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

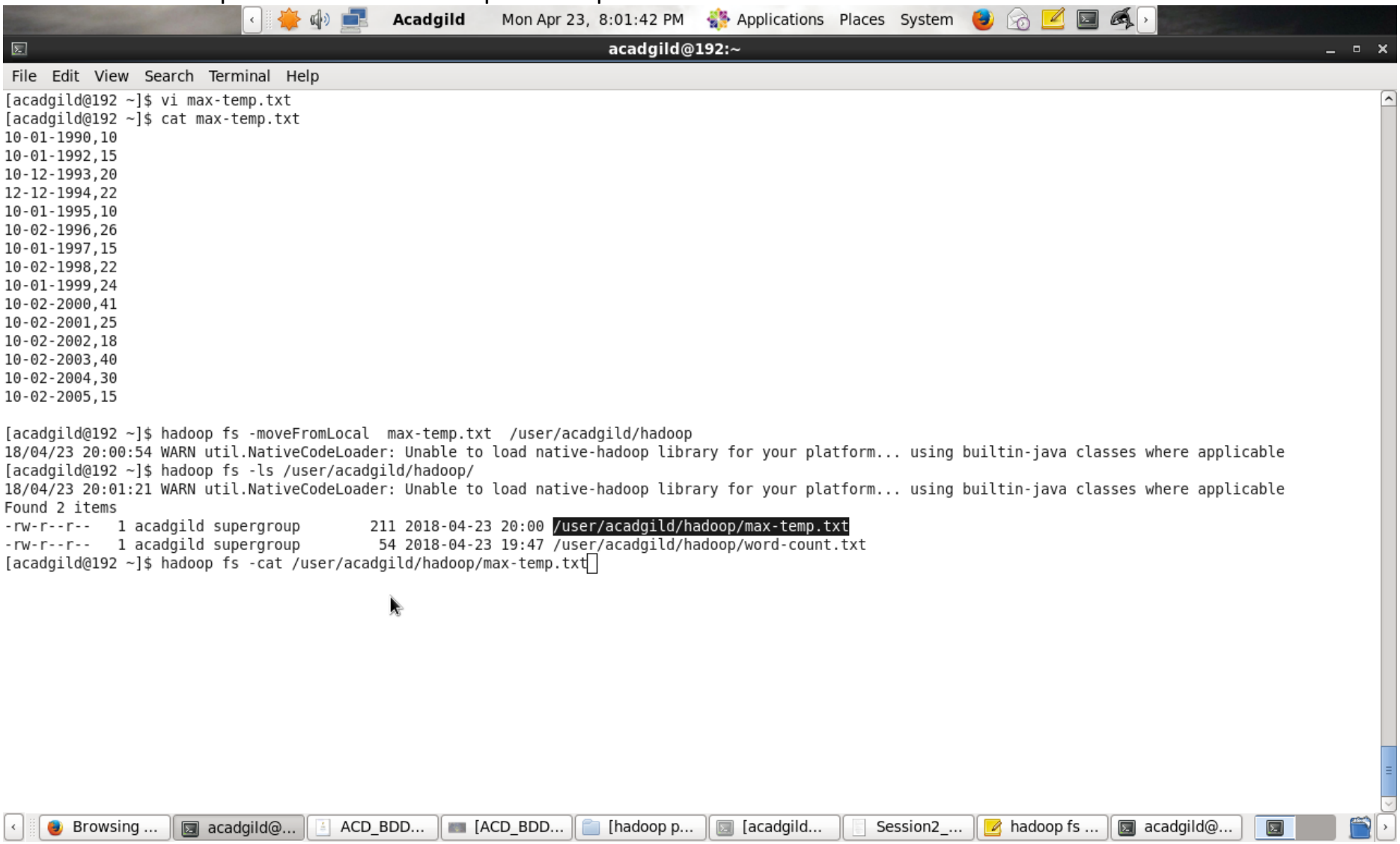
In HDFS empty file can be created using –TOUCHZ command but file cant be edited in HDFS instead we can read many times But at the same time file can be appended with any other file in HDFS this is caled (WORM – write once read many times).

Here i have created file in Local FS & appended data to empty file created in HDFS.

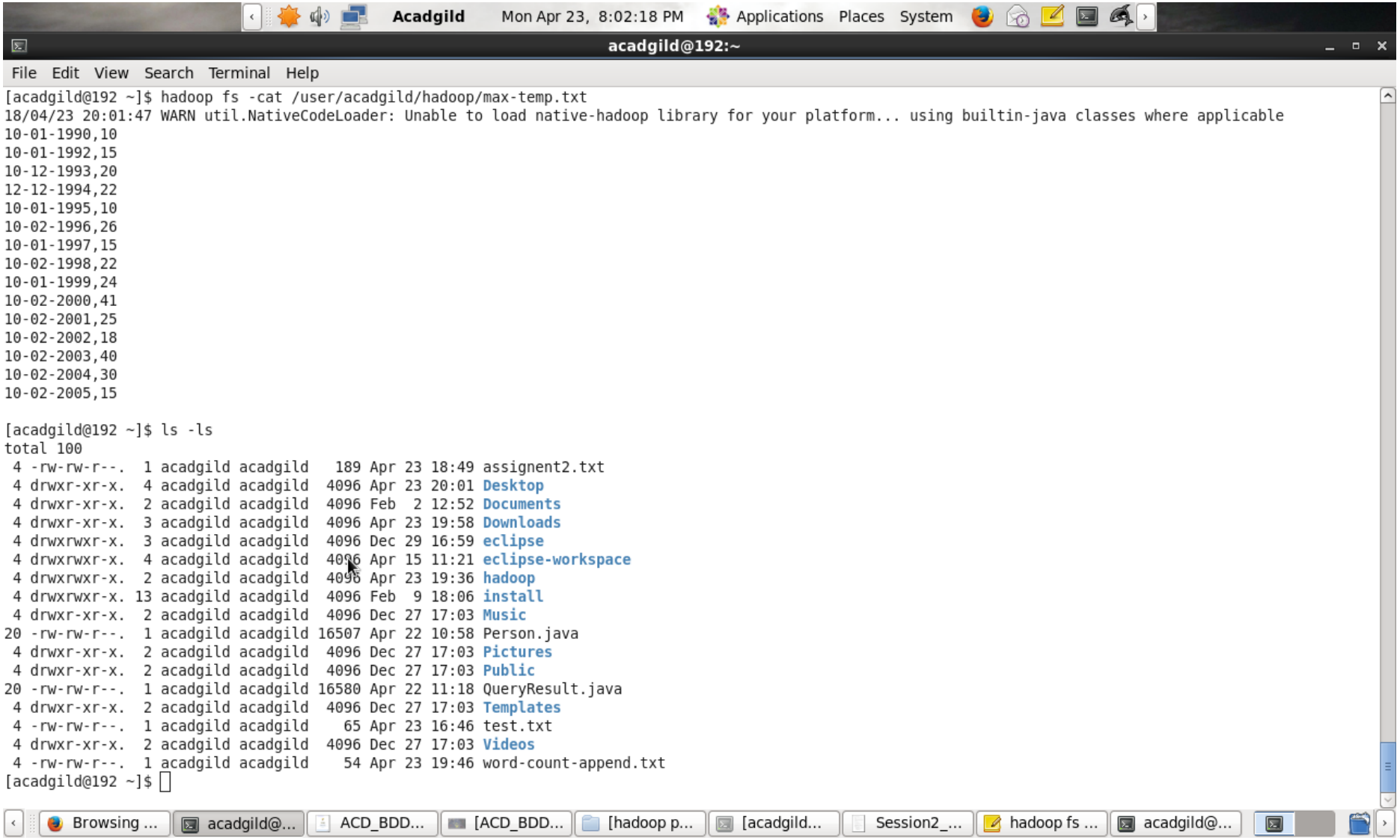
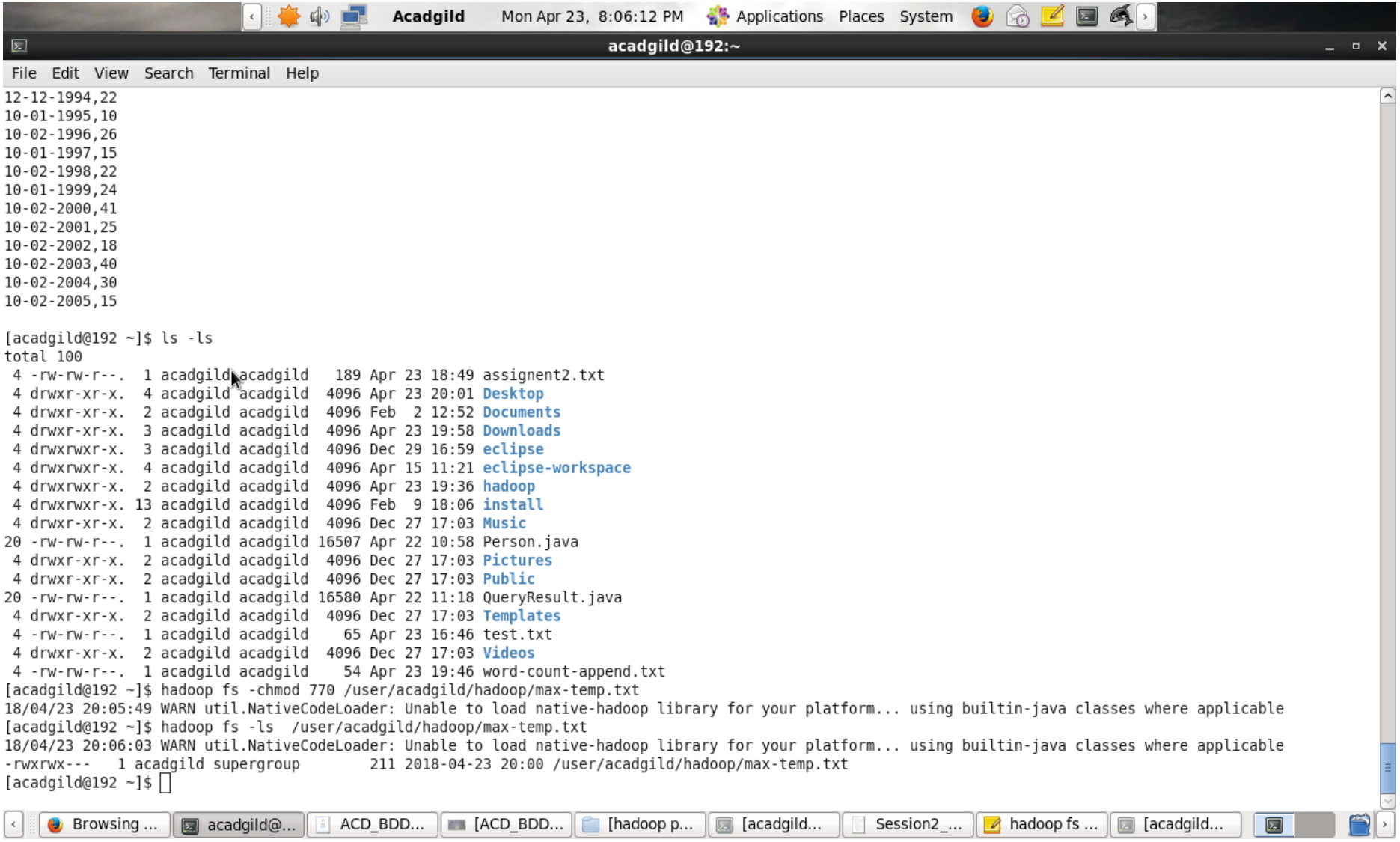


Task 3: Create a file max-temp.txt in local FS, move to HDFS – here i have created file & added data to it using VI TEXTFILE NAME , CAT TEXTFILE NAME, using –movingFromLocal moved from local directory to HDFS.

I have executed required commands in sequence as proofs.



Acadgild
Mon Apr 23, 8:01:50 PM
Applications
Places
System
acadgild@192:~
File Edit View Search Terminal Help
10-01-1995,10
10-02-1996,26
10-01-1997,15
10-02-1998,22
10-01-1999,24
10-02-2000,41
10-02-2001,25
10-02-2002,18
10-02-2003,40
10-02-2004,30
10-02-2005,15
[acadgild@192 ~]$ hadoop fs -moveFromLocal max-temp.txt /user/acadgild/hadoop
18/04/23 20:00:54 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@192 ~]$ hadoop fs -ls /user/acadgild/hadoop/
18/04/23 20:01:21 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 2 items
-rw-r--r-- 1 acadgild supergroup 211 2018-04-23 20:00 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 54 2018-04-23 19:47 /user/acadgild/hadoop/word-count.txt
[acadgild@192 ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/04/23 20:01:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
10-01-1990,10
10-01-1992,15
10-12-1993,20
12-12-1994,22
10-01-1995,10
10-02-1996,26
10-01-1997,15
10-02-1998,22
10-01-1999,24
10-02-2000,41
10-02-2001,25
10-02-2002,18
10-02-2003,40
10-02-2004,30
10-02-2005,15
[acadgild@192 ~]$
Browsing ...
acadgild@...
ACD_BDD...
[ACD_BDD...
[hadoop p...
[acadgild...
Session2_...
hadoop fs ...
acadgild@...


Acadgild
Mon Apr 23, 8:02:18 PM
Applications
Places
System
acadgild@192:~
File Edit View Search Terminal Help
[acadgild@192 ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/04/23 20:01:47 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
10-01-1990,10
10-01-1992,15
10-12-1993,20
12-12-1994,22
10-01-1995,10
10-02-1996,26
10-01-1997,15
10-02-1998,22
10-01-1999,24
10-02-2000,41
10-02-2001,25
10-02-2002,18
10-02-2003,40
10-02-2004,30
10-02-2005,15
[acadgild@192 ~]$ ls -ls
total 100
4 -rw-rw-r--. 1 acadgild acadgild 189 Apr 23 18:49 assignent2.txt
4 drwxr-xr-x. 4 acadgild acadgild 4096 Apr 23 20:01 Desktop
4 drwxr-xr-x. 2 acadgild acadgild 4096 Feb 2 12:52 Documents
4 drwxr-xr-x. 3 acadgild acadgild 4096 Apr 23 19:58 Downloads
4 drwxrwxr-x. 3 acadgild acadgild 4096 Dec 29 16:59 eclipse
4 drwxrwxr-x. 4 acadgild acadgild 4096 Apr 15 11:21 eclipse-workspace
4 drwxrwxr-x. 2 acadgild acadgild 4096 Apr 23 19:36 hadoop
4 drwxrwxr-x. 13 acadgild acadgild 4096 Feb 9 18:06 install
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Music
20 -rw-rw-r--. 1 acadgild acadgild 16507 Apr 22 10:58 Person.java
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Pictures
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Public
20 -rw-rw-r--. 1 acadgild acadgild 16580 Apr 22 11:18 QueryResult.java
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Templates
4 -rw-rw-r--. 1 acadgild acadgild 65 Apr 23 16:46 test.txt
4 drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 17:03 Videos
4 -rw-rw-r--. 1 acadgild acadgild 54 Apr 23 19:46 word-count-append.txt
[acadgild@192 ~]$
Browsing ...
acadgild@...
ACD_BDD...
[ACD_BDD...
[hadoop p...
[acadgild...
Session2_...
hadoop fs ...
acadgild@...

Task 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. -- using chmod 770(full rights for user, full rights for group,None fo others)