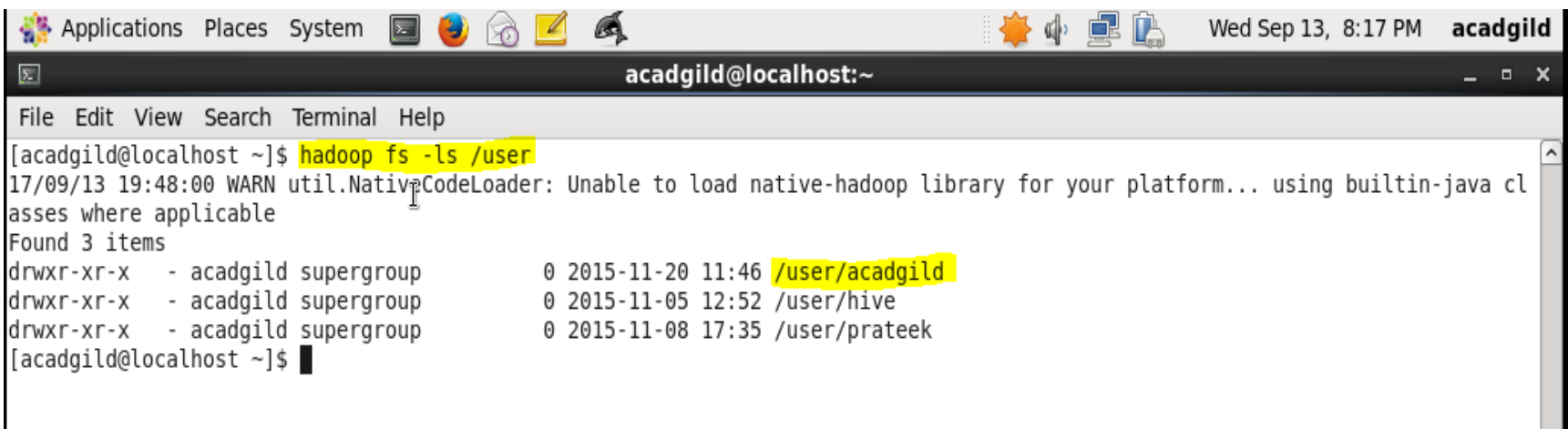


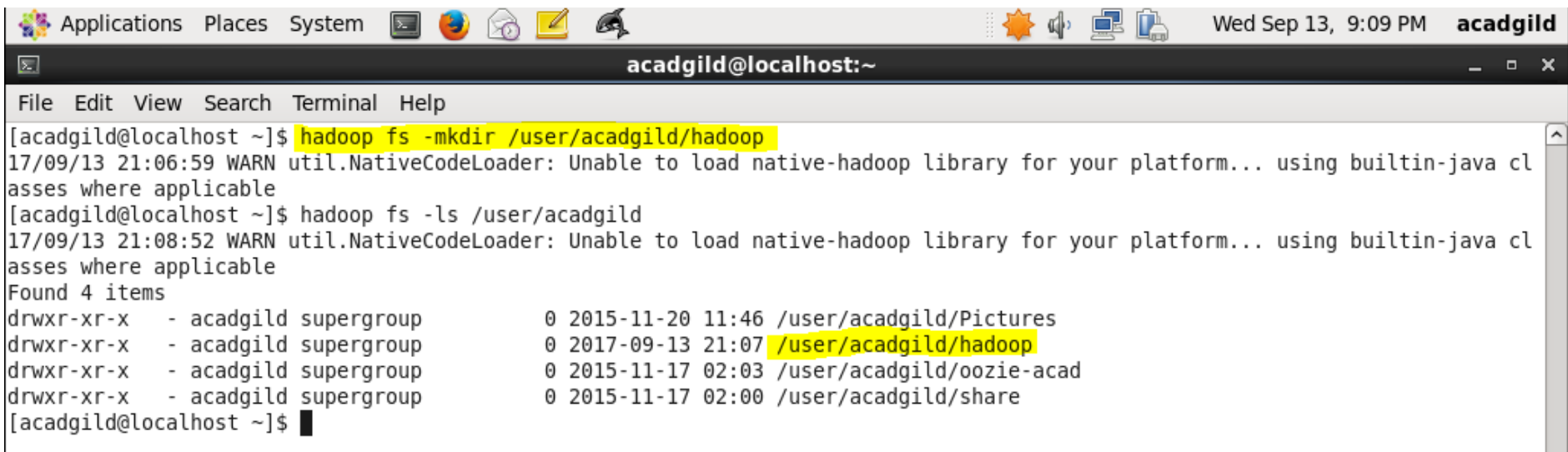
TASK 1

1. The directory user/acadgild exists on hdfs as shown below



```
acadm@localhost:~$ hadoop fs -ls /user
17/09/13 19:48:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 3 items
drwxr-xr-x - acadgild supergroup          0 2015-11-20 11:46 /user/acadgild
drwxr-xr-x - acadgild supergroup          0 2015-11-05 12:52 /user/hive
drwxr-xr-x - acadgild supergroup          0 2015-11-08 17:35 /user/prateek
[acadgild@localhost ~]$
```

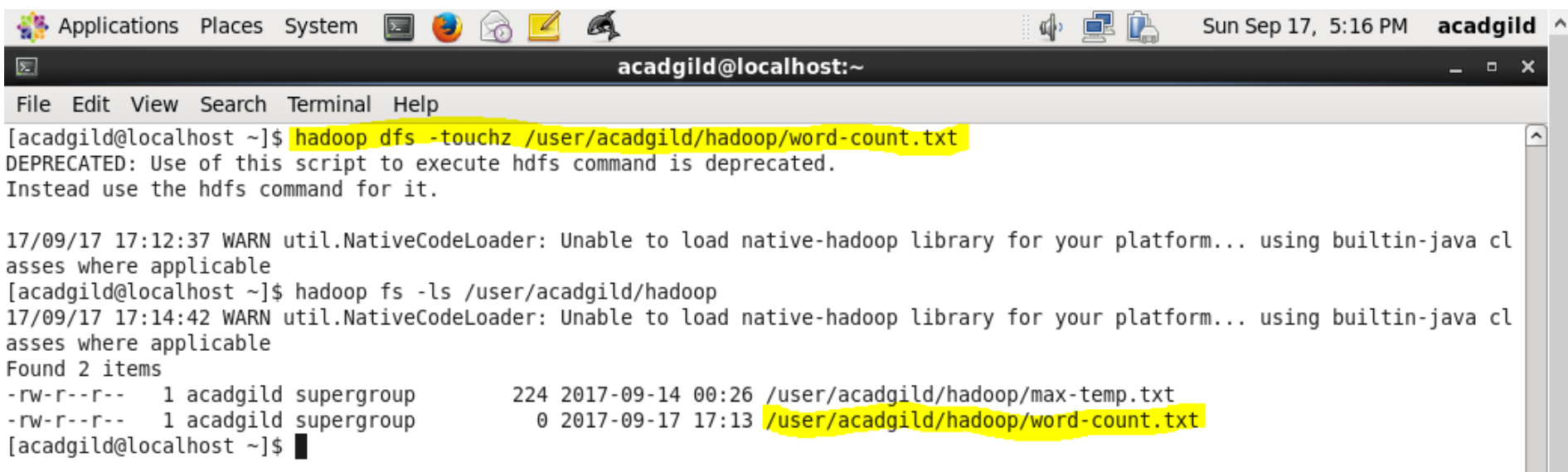
2. Creating directory user/acadgild/hadoop with below highlighted command-



```
acadm@localhost:~$ hadoop fs -mkdir /user/acadgild/hadoop
17/09/13 21:06:59 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
17/09/13 21:08:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 4 items
drwxr-xr-x - acadgild supergroup          0 2015-11-20 11:46 /user/acadgild/Pictures
drwxr-xr-x - acadgild supergroup          0 2017-09-13 21:07 /user/acadgild/hadoop
drwxr-xr-x - acadgild supergroup          0 2015-11-17 02:03 /user/acadgild/oozie-acad
drwxr-xr-x - acadgild supergroup          0 2015-11-17 02:00 /user/acadgild/share
[acadgild@localhost ~]$
```

TASK2

Creating a file word-count.txt under directory /user/acadgild/hadoop/word-count.txt



```
acadm@localhost:~$ hadoop dfs -touchz /user/acadgild/hadoop/word-count.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

17/09/17 17:12:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
17/09/17 17:14:42 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          224 2017-09-14 00:26 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup           0 2017-09-17 17:13 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```

Appending content from screen to file using below command-

hadoop dfs –appendToFile - /user/acadgild/hadoop/word-count.txt

```
Applications Places System [Sun Sep 17, 5:40 PM acadgild]
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hadoop dfs -touchz /user/acadgild/hadoop/word-count.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

17/09/17 17:12:37 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
17/09/17 17:14:42 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 224 2017-09-14 00:26 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 0 2017-09-17 17:13 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hadoop dfs -appendToFile - /user/acadgild/hadoop/word-count.txt
DEPRECATED: Use of this script to execute hdfs command is deprecated.
Instead use the hdfs command for it.

17/09/17 17:21:43 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Hi my name is Rakesh and I am going to write about today's Dhoni's innings against Australia
MS Dhoni received a roaring welcome from the crowd when the Indian batsman came into bat during 1st odi against Aussies.
Fans expressed their delight at Dhoni walking down to bat evenn though the score was hardly in India's favour.
Chepauk used to be home ground for Chennai Super Kings,before the franchisee was suspended by Supreme court of India
for a period of two years.
Dhoni,former World cup winning skipper,led CSK for eight seasons and took his side to two IPL titles and two Champion's Leagu
e titles.Under Dhoni's leadership,Chennai Super Kings made it to six IPL finals.[acadgild@localhost ~]$
```

Output displayed is shown below using cat command-

```
Applications Places System [Sun Sep 17, 5:48 PM acadgild]
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
17/09/17 17:47:12 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Hi my name is Rakesh and I am going to write about today's Dhoni's innings against Australia
MS Dhoni received a roaring welcome from the crowd when the Indian batsman came into bat during 1st odi against Aussies.
Fans expressed their delight at Dhoni walking down to bat evenn though the score was hardly in India's favour.
Chepauk used to be home ground for Chennai Super Kings,before the franchisee was suspended by Supreme court of India
for a period of two years.
Dhoni,former World cup winning skipper,led CSK for eight seasons and took his side to two IPL titles and two Champion's Leagu
e titles.Under Dhoni's leadership,Chennai Super Kings made it to six IPL finals.[acadgild@localhost ~]$
```

Task-3-

Creating a file max-temp.txt in local File System-

```
Applications Places System [Wed Sep 13, 11:55 PM acadgild]
acadgild@localhost:~/Rakesh
File Edit View Search Terminal Help
[acadgild@localhost ~]$ cd Rakesh
[acadgild@localhost Rakesh]$ pwd
/home/acadgild/Rakesh
[acadgild@localhost Rakesh]$ vi max-temp.txt
```



```
Applications Places System Thu Sep 14, 12:29 AM acadgild
acadgild@localhost:~/Rakesh
File Edit View Search Terminal Help
[acadgild@localhost ~]$ cd Rakesh
[acadgild@localhost Rakesh]$ pwd
/home/acadgild/Rakesh
[acadgild@localhost Rakesh]$ vi max-temp.txt
[acadgild@localhost Rakesh]$ cat max-temp.txt
10-01-1990,10
10-01-1991,12
10-01-1992,15
10-01-1993,11
10-01-1994,13
10-01-1995,18
10-02-1996,17
15-12-1997,16
30-10-1998,20
09-10-1999,19
14-09-2000,15
21-03-2001,21
22-04-2002,23
18-07-2003,22
19-06-2004,24
26-11-2005,45
[acadgild@localhost Rakesh]$ hadoop fs -moveFromLocal /home/acadgild/Rakesh/max-temp.txt /user/acadgild/hadoop
17/09/14 00:25:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost Rakesh]$ hadoop fs -ls /user/acadgild/hadoop
17/09/14 00:27:36 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 224 2017-09-14 00:26 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 0 2017-09-13 23:18 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost Rakesh]$
```

Used command moveFromLocal to move file from local file system to HDFS.

TASK-4- Below command was used to change the permission for file max-temp.txt

hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt

Below diagram shows the permissions for file max-temp.txt before and after executing the command-

```
127.0.0.1 (acadgild)
Terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
2. 127.0.0.1 (acadgild)
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
17/09/24 11:14:12 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 4 items
-rw-r--r-- 1 acadgild supergroup 224 2017-09-14 00:26 /user/acadgild/hadoop/max-temp.txt
drwxr-xr-x - acadgild supergroup 0 2017-09-20 12:23 /user/acadgild/hadoop/maxout
-rw-r--r-- 1 acadgild supergroup 21007 2017-09-19 12:43 /user/acadgild/hadoop/sample_temperature_dataset.csv
-rw-r--r-- 1 acadgild supergroup 674 2017-09-17 17:40 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
17/09/24 11:17:31 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
17/09/24 11:20:46 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 4 items
-rwxrwx--- 1 acadgild supergroup 224 2017-09-14 00:26 /user/acadgild/hadoop/max-temp.txt
drwxr-xr-x - acadgild supergroup 0 2017-09-20 12:23 /user/acadgild/hadoop/maxout
-rw-r--r-- 1 acadgild supergroup 21007 2017-09-19 12:43 /user/acadgild/hadoop/sample_temperature_dataset.csv
-rw-r--r-- 1 acadgild supergroup 674 2017-09-17 17:40 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```