Assignment 2

Task 1:
Check whether /user/acadgild directory exists or not in the HDFS.
If it doesn't exist, then create this.
Create a directory /user/acadgild/hadoop.

Solution:
Command:
1.**hdfs dfs -ls /user/**
2.**hdfs dfs -mkdir -p /user/acadgild/hadoop**

Description:
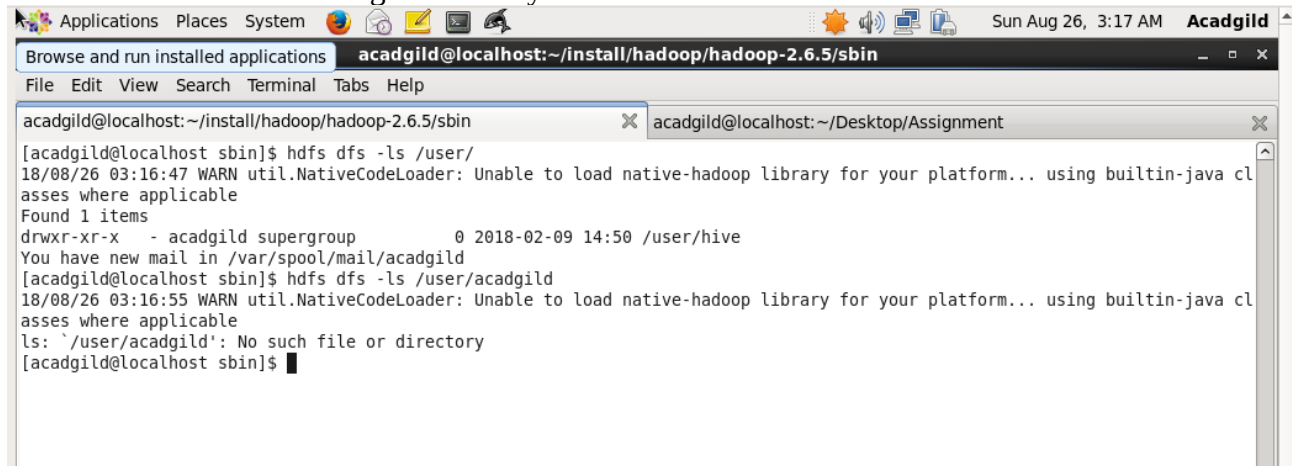To Check whether /user/acadgild directory exists or not in the HDFS.
hdfs dfs -ls /user/
Create a directory /user/acadgild/hadoop execute below command.
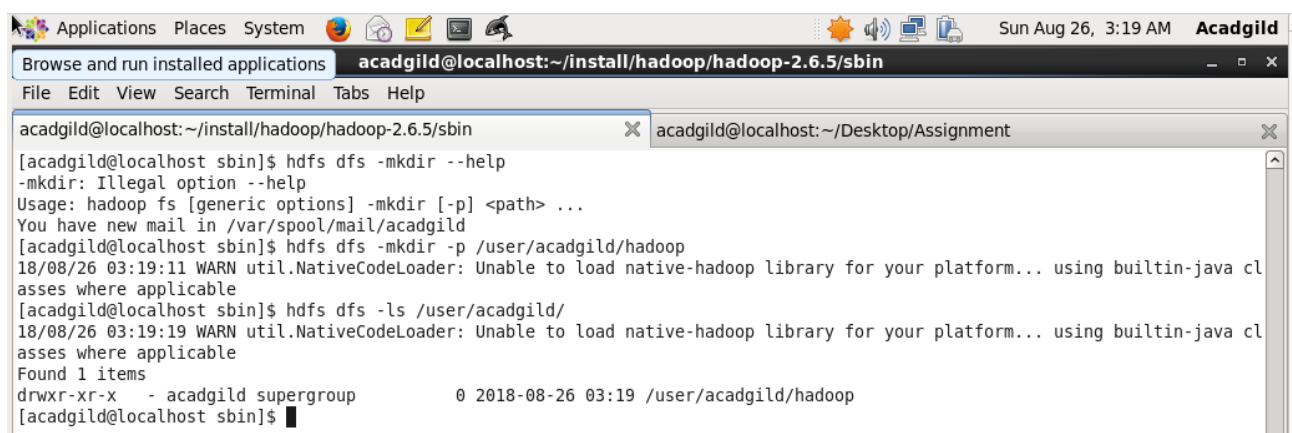**hdfs dfs -mkdir -p /user/acadgild/hadoop**

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

Create a directory /user/acadgild/hadoop.:

Task 2:
Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt.
Whatever we type on screen should get appended to the file.
Try to type (on screen) few lines from any online article or textbook.

Command:
1. hdfs dfs -appendToFile - /user/acadgild/hadoop/word-count.txt

Description:
To create a file in HDFS and whatever you have type on screen should get appended to the file command is
hdfs dfs -appendToFile - /user/acadgild/hadoop/word-count.txt

To read the appended text from the file
hdfs dfs -cat /user/acadgild/hadoop/word-count.txt

Screenshot:

```
[acadgild@localhost ~]$ hdfs dfs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/08/25 22:15:56 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Credit Suisse is a leading global wealth manager with strong investment banking and asset management capabilities. Founded in 1856, Credit Suisse has
expanded to be a global force employing over 45,000 people in 50 countries. With new leadership, a new strategy and a streamlined global organization,
 we are set for growth. We partner across businesses, divisions and regions to create innovative solutions to meet the needs of our clientsand to help
 our employees grow. It is a high priority for us to continually invest in our employees by providing ongoing opportunities for training, networking a
nd mobility. Join us and let's shape the future of Credit Suisse together.
Hi I am Datta ningole.^C^Cuser/acadgild/hadoop/word-count.txtld/hadoop/word-count.txt
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/hadoop/word-count.txt
18/08/25 22:18:13 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Credit Suisse is a leading global wealth manager with strong investment banking and asset management capabilities. Founded in 1856, Credit Suisse has
expanded to be a global force employing over 45,000 people in 50 countries. With new leadership, a new strategy and a streamlined global organization,
 we are set for growth. We partner across businesses, divisions and regions to create innovative solutions to meet the needs of our clientsand to help
 our employees grow. It is a high priority for us to continually invest in our employees by providing ongoing opportunities for training, networking a
nd mobility. Join us and let's shape the future of Credit Suisse together.
[acadgild@localhost ~]$
```

Task 3:

Create a file max-temp.txt in local FS.
Put some 10-15 records of date and temperature example:
dd-mm-yyyy,temperature

Command:
1.
vim max-temp.txt
2.
hdfs dfs -put max-temp.txt /user/acadgild/hadoop/

Description:
-Create a file max-temp.txt
vim max-temp.txt
-Add below Record.
dd-mm-yyyy,temperature
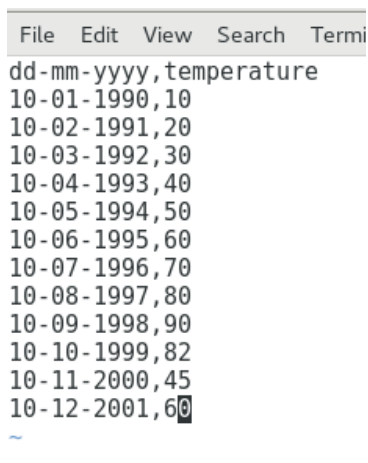10-01-1990,10
10-02-1991,20
10-03-1992,30
10-04-1993,40
10-05-1994,50

10-06-1995,60
10-07-1996,70
10-08-1997,80
10-09-1998,90
10-10-1999,82
10-11-2000,45
10-12-2001,60
-Move this file to HDFS at /user/acadgild/hadoop.
hdfs dfs -put max-temp.txt /user/acadgild/hadoop/

Screenshot:

```
File   Edit   View   Search   Termi
dd-mm-yyyy,temperature
10-01-1990,10
10-02-1991,20
10-03-1992,30
10-04-1993,40
10-05-1994,50
10-06-1995,60
10-07-1996,70
10-08-1997,80
10-09-1998,90
10-10-1999,82
10-11-2000,45
10-12-2001,60
~
~
```

-Put File in HDFS at /user/acadgild/hadoop.

```
[acadgild@localhost ~]$ vim max-temp.txt
[acadgild@localhost ~]$ hdfs dfs -put max-temp.txt /user/acadgild/hadoop/
18/08/25 22:40:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$
```

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.

Command:
hdfs dfs -chmod 770 /user/acadgild/hadoop/max-temp.txt

Description:

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
hdfs dfs -chmod 770 /user/acadgild/hadoop/max-temp.txt

Screenshot:

```
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/max-temp.txt
18/08/25 22:43:57 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rw-r--r--   1 acadgild supergroup        191 2018-08-25 22:40 /user/acadgild/hadoop/max-temp.txt
[acadgild@localhost ~]$ hdfs dfs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/08/25 22:44:33 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/max-temp.txt
18/08/25 22:44:38 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rwxrwx---   1 acadgild supergroup        191 2018-08-25 22:40 /user/acadgild/hadoop/max-temp.txt
[acadgild@localhost ~]$
```