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.

Screenshot -1 – Check /user/acadgild directory present on HDFS or Not. It is not present.

```
[acadgild@localhost ~]$ hadoop fs -ls /
18/07/06 07:31:46 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Found 3 items
drwxr-xr-x   - acadgild supergroup          0 2018-02-02 12:49 /sqoopout111
drwxrwx---   - acadgild supergroup          0 2018-02-09 11:35 /tmp
drwxr-xr-x   - acadgild supergroup          0 2018-02-09 14:50 /user
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user
18/07/06 07:32:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Found 1 items
drwxr-xr-x   - acadgild supergroup          0 2018-02-09 14:50 /user/hive
[acadgild@localhost ~]$
```

Screenshot 2 – create /user/acadgild directory in HDFS.

```
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/
18/07/06 07:38:16 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
[acadgild@localhost ~]$ hadoop fs -ls /user
18/07/06 07:38:28 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Found 2 items
drwxr-xr-x   - acadgild supergroup          0 2018-07-06 07:38 /user/acadgild
drwxr-xr-x   - acadgild supergroup          0 2018-02-09 14:50 /user/hive
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/07/06 07:38:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
18/07/06 07:38:57 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Found 1 items
drwxr-xr-x   - acadgild supergroup          0 2018-07-06 07:38 /user/acadgild/hadoop
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

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.

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/wordcount.txt
18/07/06 07:42:41 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/07/06 07:43:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Found 1 items
-rw-r--r--   1 acadgild supergroup          0 2018-07-06 07:42 /user/acadgild/hadoop/wordcount.txt
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/wordcount.txt
18/07/06 07:45:39 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -appendToFile - /user/acadgild/hadoop/wordcount.txt
18/07/06 07:47:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Hi this is Manish Anand. Living happly in Bangalore with Family. Have 5 years of experirnce in IT.
^CYou have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/wordcount.txt
18/07/06 07:48:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes whe
re applicable
Hi this is Manish Anand. Living happly in Bangalore with Family. Have 5 years of experirnce in IT.
[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

Example:

10-01-1990,10

10-02-1991,20

Move this file to HDFS at /user/acadgild/hadoop

```
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat >  max-temp.txt
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
11-01-1999,20
12-02-2000,30
13-03-2001,40
14-04-2002,50You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls -lrt /home/acadgild/*.txt
-rw-rw-r--. 1 acadgild acadgild 181 Jul  6 07:53 /home/acadgild/max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ cat /home/acadgild/*.txt
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
11-01-1999,20
12-02-2000,30
13-03-2001,40
14-04-2002,50[acadgild@localhost ~]$
```
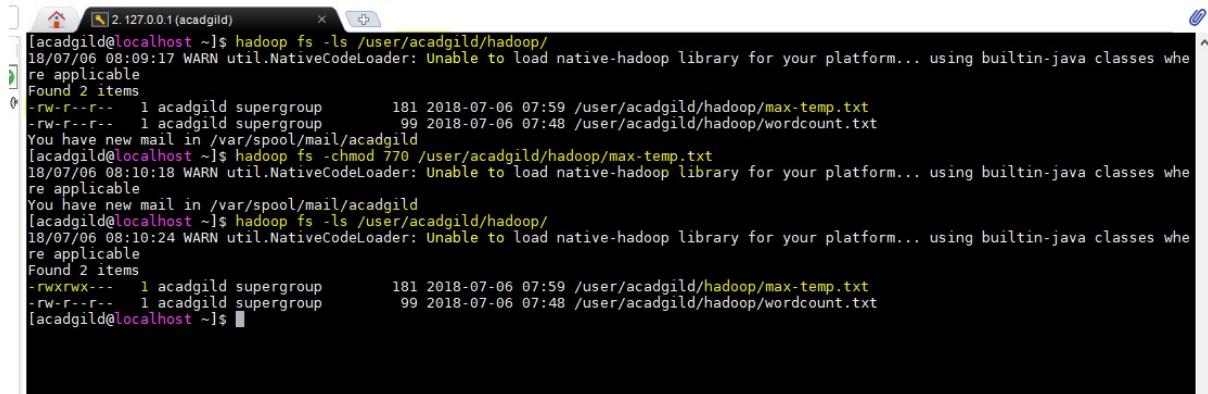
Move this file to HDFS at /user/acadgild/hadoop


```
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/
18/07/06 07:58:15 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
-rw-r--r--   1 acadgild supergroup         99 2018-07-06 07:48 /user/acadgild/hadoop/wordcount.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -put /home/acadgild/max-temp.txt /user/acadgild/hadoop
18/07/06 07:59:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop/
18/07/06 07:59:36 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        181 2018-07-06 07:59 /user/acadgild/hadoop/max-temp.txt
-rw-r--r--   1 acadgild supergroup         99 2018-07-06 07:48 /user/acadgild/hadoop/wordcount.txt
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/07/06 08:01:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
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
11-01-1999,20
12-02-2000,30
13-03-2001,40
14-04-2002,50You have new mail in /var/spool/mail/acadgild
[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.

Others do not have any control over it.