

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.

```
Applications Places System acadgild@localhost:~ Tue Aug 28, 3:51 AM
[acadgild@localhost ~]$ hdfs dfs -ls -R /user
18/08/28 03:50:21 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive
drwxr-xr-x - acadgild supergroup 0 2018-08-25 10:49 /user/hive/warehouse
drwxr-xr-x - acadgild supergroup 0 2018-08-25 11:08 /user/hive/warehouse/simplidb.db
drwxr-xr-x - acadgild supergroup 0 2018-08-25 11:33 /user/hive/warehouse/simplidb.db/mycustomer
-rwxr-xr-x 1 acadgild supergroup 92 2018-08-25 11:33 /user/hive/warehouse/simplidb.db/mycustomer/Customer_Input.txt
[acadgild@localhost ~]$ hdfs dfs -mkdir -p /user/acadgild/hadoop/
18/08/28 03:51:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -ls -R /user
18/08/28 03:51:15 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
drwxr-xr-x - acadgild supergroup 0 2018-08-28 03:51 /user/acadgild
drwxr-xr-x - acadgild supergroup 0 2018-08-28 03:51 /user/acadgild/hadoop
drwxr-xr-x - acadgild supergroup 0 2018-02-09 14:50 /user/hive
drwxr-xr-x - acadgild supergroup 0 2018-08-25 10:49 /user/hive/warehouse
drwxr-xr-x - acadgild supergroup 0 2018-08-25 11:08 /user/hive/warehouse/simplidb.db
drwxr-xr-x - acadgild supergroup 0 2018-08-25 11:33 /user/hive/warehouse/simplidb.db/mycustomer
-rwxr-xr-x 1 acadgild supergroup 92 2018-08-25 11:33 /user/hive/warehouse/simplidb.db/mycustomer/Customer_Input.txt
[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.

```
Applications Places System acadgild@localhost:~ Tue Aug 28, 4:27 AM
[acadgild@localhost ~]$ hdfs dfs -touchz /user/acadgild/hadoop/word-count.txt
18/08/28 04:27:14 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/08/28 04:27:25 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 1 items
-rw-r--r-- 1 acadgild supergroup 0 2018-08-28 04:27 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```

```
Applications Places System acadgild@localhost:~ Wed Aug 29, 1:09 AM
[acadgild@localhost ~]$ hdfs dfs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/08/29 01:04:04 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
This is a test file for Acadgild Assignment 2
This is some random texts
-----
Random text line 2
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/hadoop/word-count.txt
18/08/29 01:09:07 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
This is a test file for Acadgild Assignment 2
This is some random texts
-----
Random text line 2
[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.

```
*max-temp.txt (~) - gedit
File Edit View Search Tools Documents Help
Open Save Undo
*max-temp.txt x
10-29-2017,20
10-28-2017,20
10-27-2017,20
10-26-2017,20
10-25-2017,20
10-24-2017,20
10-23-2017,20
10-22-2017,20
10-21-2017,20
10-20-2017,20
10-19-2017,20
10-18-2017,20
10-17-2017,20
10-16-2017,20
```

```
Applications Places System Wed Aug 29, 1:21 AM Acadgild
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hdfs dfs -copyFromLocal /home/acadgild/max-temp.txt /user/acadgild/hadoop/
18/08/29 01:20:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/08/29 01:21:12 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 196 2018-08-29 01:20 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 138 2018-08-29 01:08 /user/acadgild/hadoop/word-count.txt
You 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.

```
Applications Places System Wed Aug 29, 2:35 AM Acadgild
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/08/29 02:30:32 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 196 2018-08-29 01:20 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 138 2018-08-29 01:08 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hdfs dfs -chmod 880 /user/acadgild/hadoop/word-count.txt
-chmod: chmod: mode '880' does not match the expected pattern.
Usage: hadoop fs [generic options] -chmod [-R] <MODE[,MODE]... | OCTALMODE> PATH...
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hdfs dfs -chmod 770 /user/acadgild/hadoop/word-count.txt
18/08/29 02:34:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild/hadoop/
18/08/29 02:35:01 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 196 2018-08-29 01:20 /user/acadgild/hadoop/max-temp.txt
-rwxrwx-- 1 acadgild supergroup 138 2018-08-29 01:08 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```