

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.

ANS:

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

COMMAND : `hadoop fs -ls /user/acadgild/hadoop`

```
hwxl@xf-x ~$ ssh acadgild@localhost
acadgild@localhost ~$ hadoop fs -ls /user/acadgild/hadoop
18/10/30 22:00:50 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
ls: '/user/acadgild/hadoop': No such file or directory
You have new mail in /var/spool/mail/acadgild
acadgild@localhost ~$
```

If it doesn't exist, then create this. Create a directory /user/acadgild/hadoop.

COMMAND : `hadoop fs -mkdir /user/acadgild/hadoop`

```
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/10/30 22:05:06 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
```

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.

ANS:

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

Command : `hadoop fs -touchz /user/acadgild/hadoop/word-count.txt`

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word-count.txt
18/10/30 22:14:24 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/
18/10/30 22:14:49 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          0 2018-10-30 22:14 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```

Whatever we type on screen should get appended to the file.

Command : `hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt`

```
[acadgild@localhost ~]$ hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/10/30 22:18:46 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
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.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$
```

Command : `hadoop fs -cat /user/acadgild/hadoop/word-count.txt`

```
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/10/30 22:24:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
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.
[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.

Create a file max-temp.txt in local FS.

```
[acadgild@localhost ~]$ cd /home/acadgild/satya/session2
[acadgild@localhost session2]$ touch max-temp.txt
```

```
[acadgild@localhost session2]$ cat max-temp.txt
15-10-2018,20
16-10-2018,22
17-10-2018,24
18-10-2018,26
19-10-2018,30
20-10-2018,21
21-10-2018,23
22-10-2018,25
23-10-2018,27
24-10-2018,29
25-10-2018,32
26-10-2018,33
27-10-2018,34
28-10-2018,35
29-10-2018,36You have new mail in /var/spool/mail/acadgild
```

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

`hadoop fs -put /home/acadgild/satya/session2/max-temp.txt /user/acadgild/hadoop/`

NOTE: It looks like mv command is not working, so I went for put command

```
[acadgild@localhost ~]$ hadoop fs -mv /home/acadgild/satya/session2/max-temp.txt /user/acadgild/hadoop/
18/10/30 22:56:45 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
mv: '/home/acadgild/satya/session2/max-temp.txt': No such file or directory
```

```
[acadgild@localhost session2]$ hadoop fs -put /home/acadgild/satya/session2/max-temp.txt /user/acadgild/hadoop/
18/10/30 23:04:42 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost session2]$ hadoop fs -ls /user/acadgild/hadoop/
18/10/30 23:04:55 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 209 2018-10-30 23:04 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup 155 2018-10-30 22:23 /user/acadgild/hadoop/word-count.txt
```

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.

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

```
[acadgild@localhost session2]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
18/10/30 23:13:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost session2]$ hadoop fs -ls /user/acadgild/hadoop/max-temp.txt
18/10/30 23:14:06 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
-rwxrwx--- 1 acadgild supergroup          209 2018-10-30 23:04 /user/acadgild/hadoop/max-temp.txt
[acadgild@localhost session2]$
```