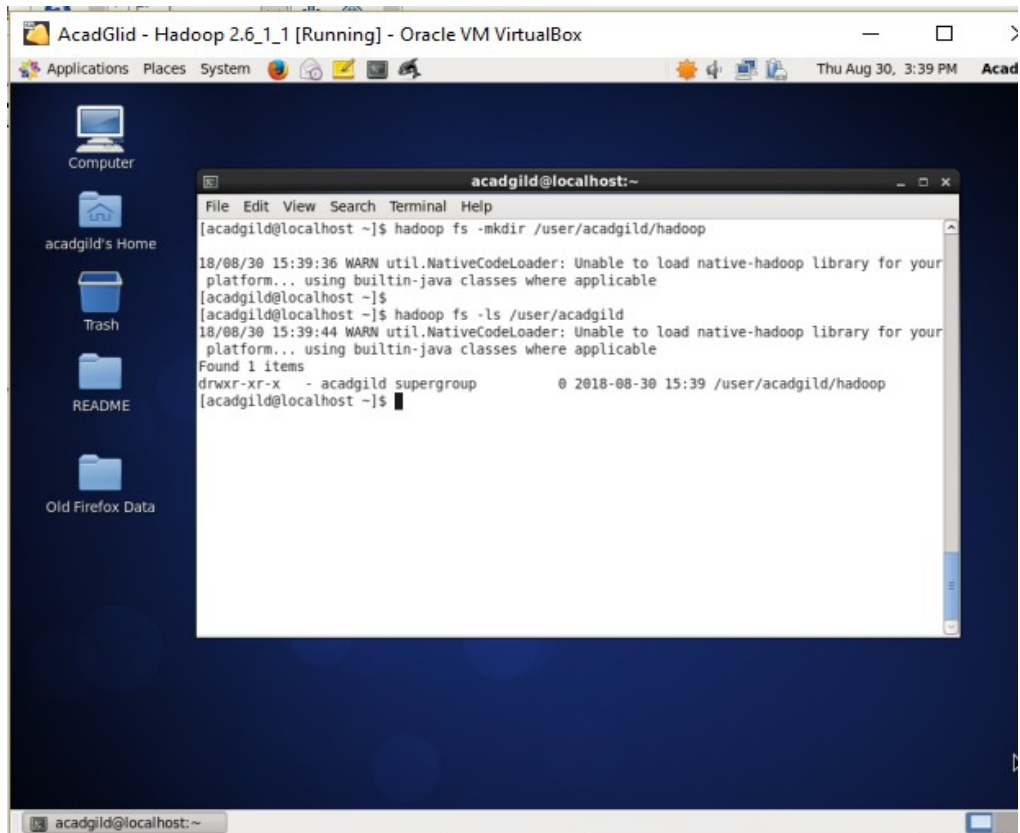


Task 1

Check whether

/user/acadgild exists or not, if not then create one

/user/acadgild/hadoop exists or not, if not then create one



The screenshot shows a VirtualBox window titled 'AcadGild - Hadoop 2.6_1_1 [Running] - Oracle VM VirtualBox'. The desktop background is dark blue with icons for 'Computer', 'acagild's Home', 'Trash', 'README', and 'Old Firefox Data'. A terminal window titled 'acadgild@localhost:~' is open, displaying the following commands and output:

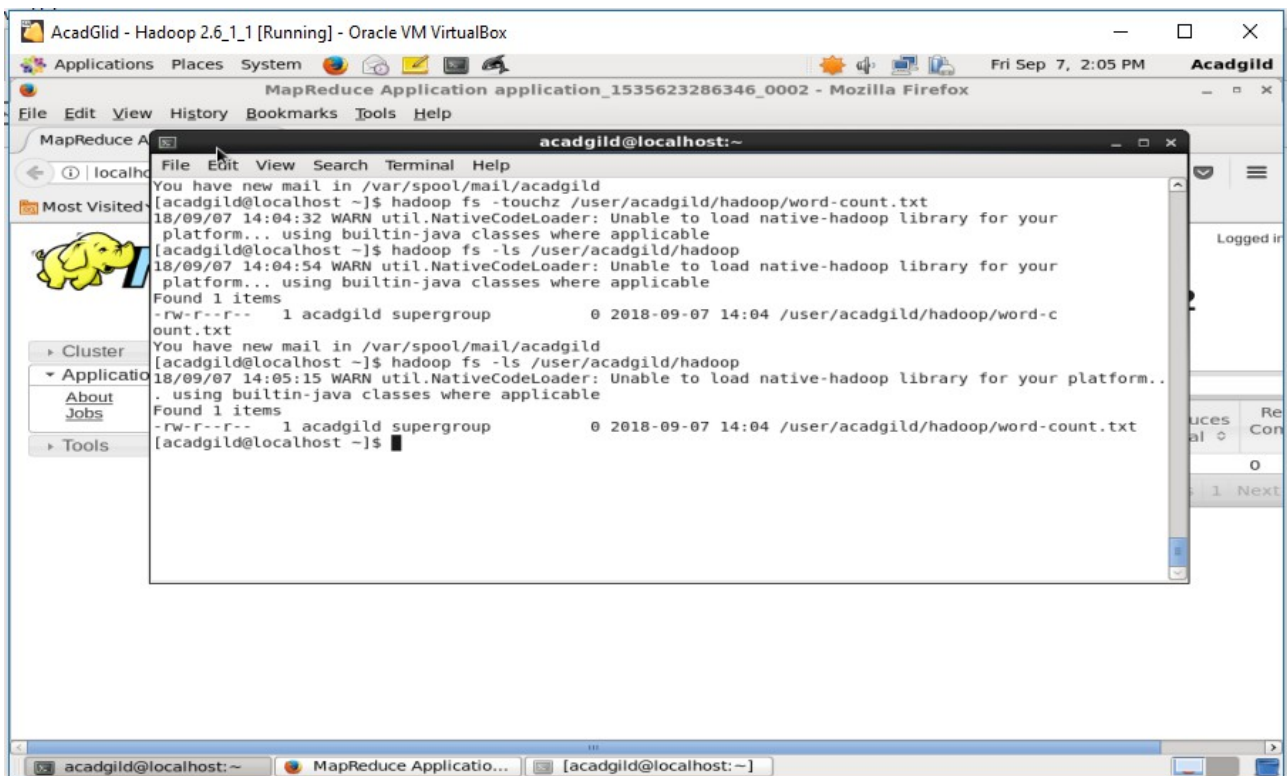
```
File Edit View Search Terminal Help
[acadgild@localhost ~]$ hadoop fs -mkdir /user/acadgild/hadoop
18/08/30 15:39:36 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
18/08/30 15:39:44 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your
platform... using builtin-java classes where applicable
Found 1 items
drwxr-xr-x  - acadgild supergroup          0 2018-08-30 15:39 /user/acadgild/hadoop
[acadgild@localhost ~]$
```

Task 2

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

what ever we type on screen should get appended to the file

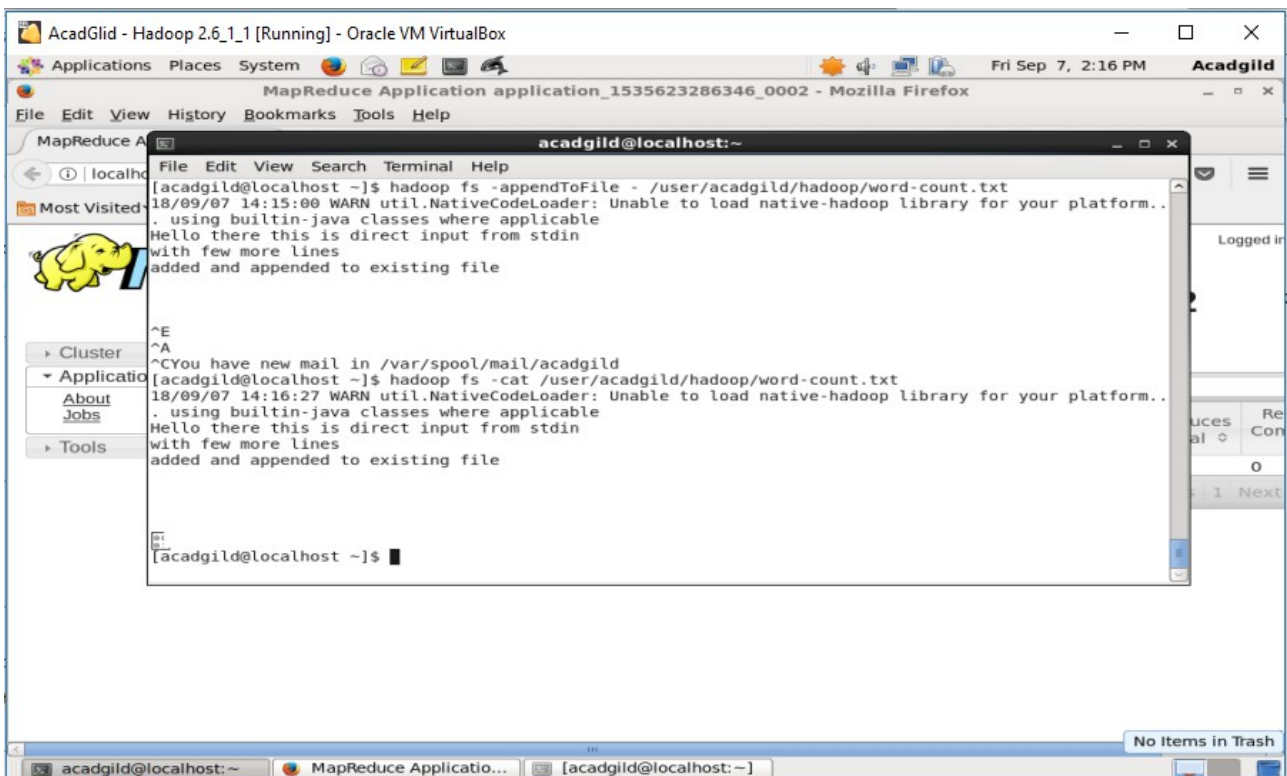
Using touchz create an empty (0 byte file)



The screenshot shows a terminal window titled 'acadgild@localhost:~' within an Oracle VM VirtualBox environment. The terminal displays the following commands and output:

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word-count.txt
18/09/07 14:04:32 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
18/09/07 14:04:54 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 2018-09-07 14:04 /user/acadgild/hadoop/word-count.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
18/09/07 14:05:15 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 0 2018-09-07 14:04 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```

and then append to that file using command `appendToFile` with `-` as input which indicates take input from stdin and end/flush it with `Ctrl+C / ^C`



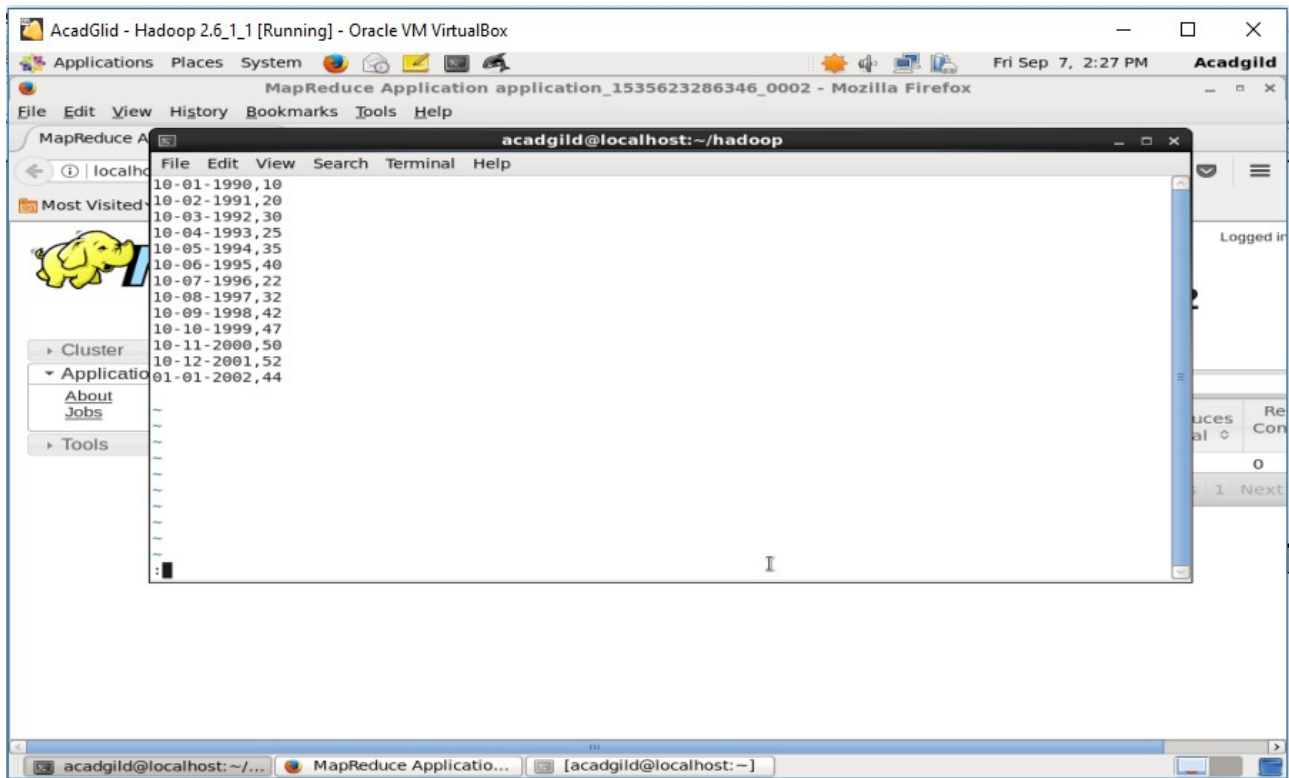
The screenshot shows a terminal window titled 'acadgild@localhost:~' within an Oracle VM VirtualBox environment. The terminal displays the following commands and output:

```
[acadgild@localhost ~]$ hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
18/09/07 14:15:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Hello there this is direct input from stdin
with few more lines
added and appended to existing file
^E
^A
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
18/09/07 14:16:27 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Hello there this is direct input from stdin
with few more lines
added and appended to existing file
[acadgild@localhost ~]$
```

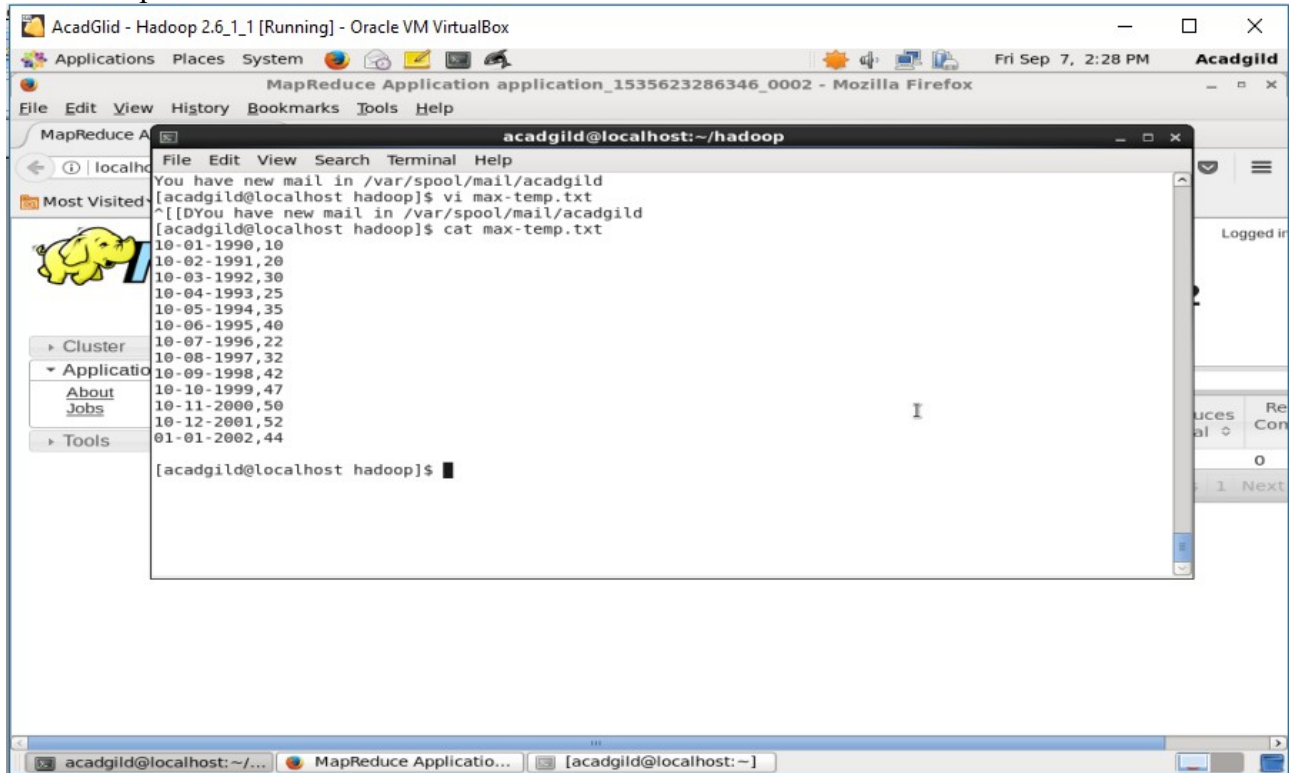
Task 3

Create a file `max-temp.txt` in local fs, input 10-15 records and move this file to HDFS at location `/user/acadgild/hadoop`

First create file in local fs with editor vi and add 10-15 records like
10-01-1990,10
10-02-1991,20
etc..



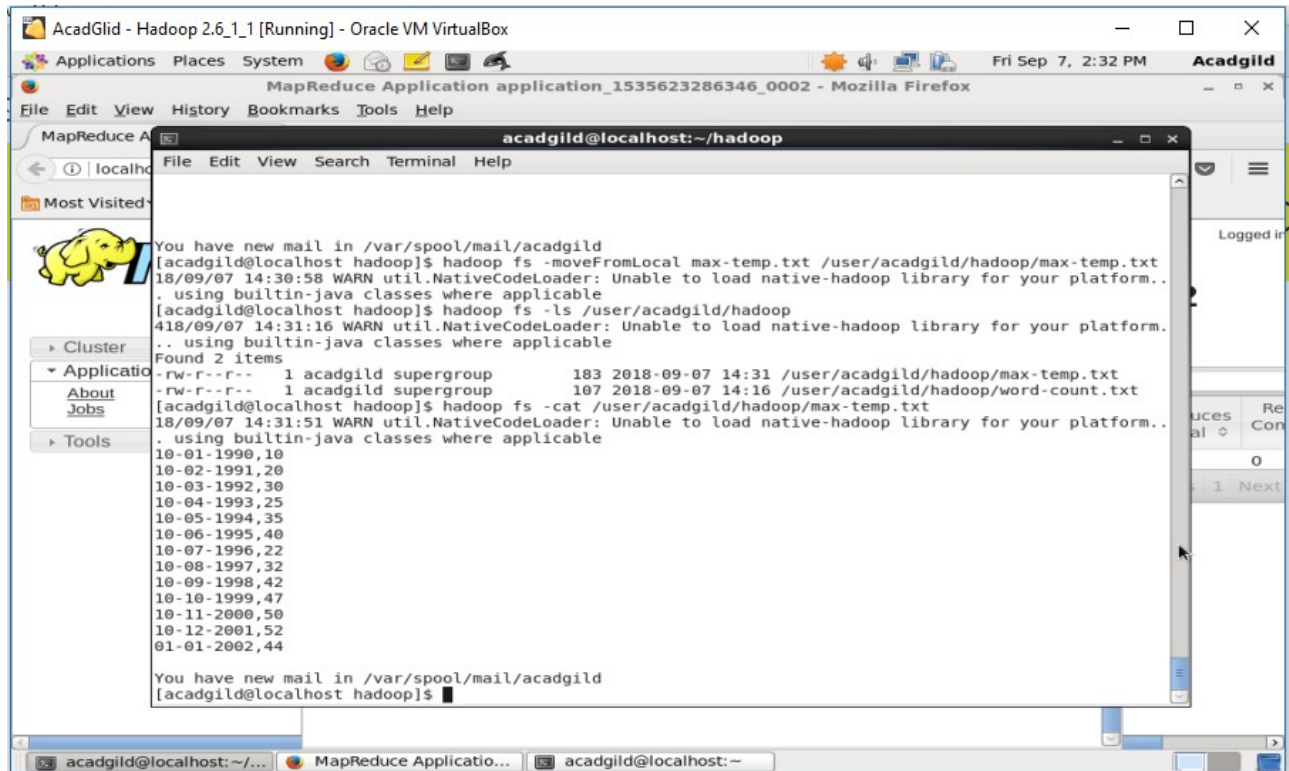
cat the output of file



Finally move file to HDFS from local using command

`moveFromLocal` which will move file from local to destination folder i.e. `/user/acadgild/hadoop`

then cat output of file on HDFS



The screenshot shows a terminal window titled `acadgild@localhost:~/hadoop` within an Oracle VM VirtualBox environment. The terminal displays the following commands and output:

```
[acadgild@localhost hadoop]$ hadoop fs -moveFromLocal max-temp.txt /user/acadgild/hadoop/max-temp.txt
18/09/07 14:30:58 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform..
.. using builtin-java classes where applicable
[acadgild@localhost hadoop]$ hadoop fs -ls /user/acadgild/hadoop
18/09/07 14:31:16 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      183 2018-09-07 14:31 /user/acadgild/hadoop/max-temp.txt
-rw-r--r-- 1 acadgild supergroup      107 2018-09-07 14:16 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost hadoop]$ hadoop fs -cat /user/acadgild/hadoop/max-temp.txt
18/09/07 14:31:51 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
10-04-1993,25
10-05-1994,35
10-06-1995,40
10-07-1996,22
10-08-1997,32
10-09-1998,42
10-10-1999,47
10-11-2000,50
10-12-2001,52
01-01-2002,44
[acadgild@localhost hadoop]$
```

Task 4

Change permission of `/user/acadgild/hadoop/max-temp.txt` such that owner and group members have permissions

Check current permissions first with `ls` command and then permission with command `chmod 770` means read, write and execute to owner and group, none to other user.

