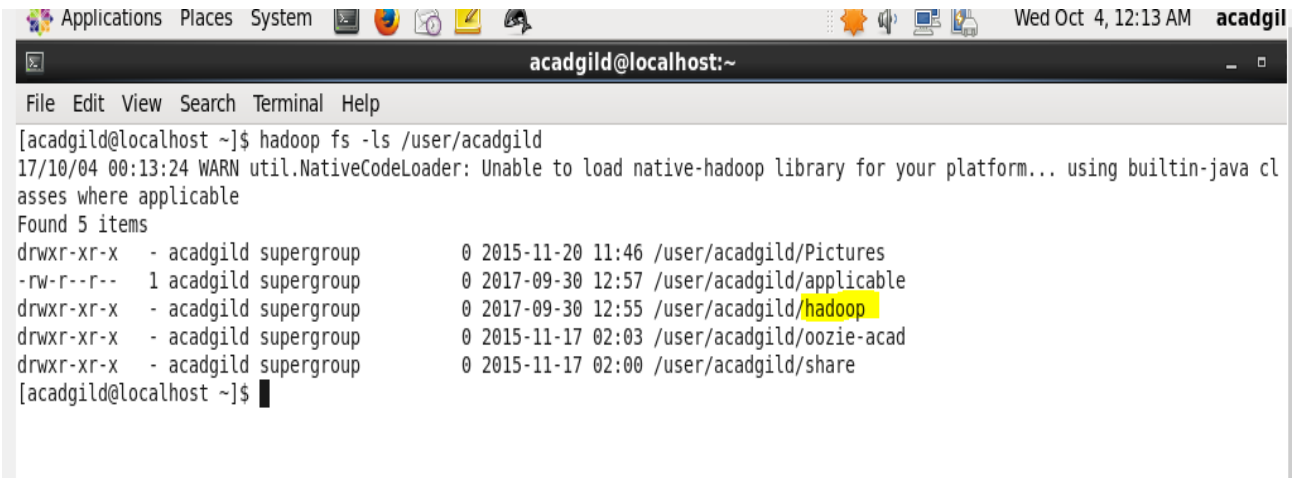


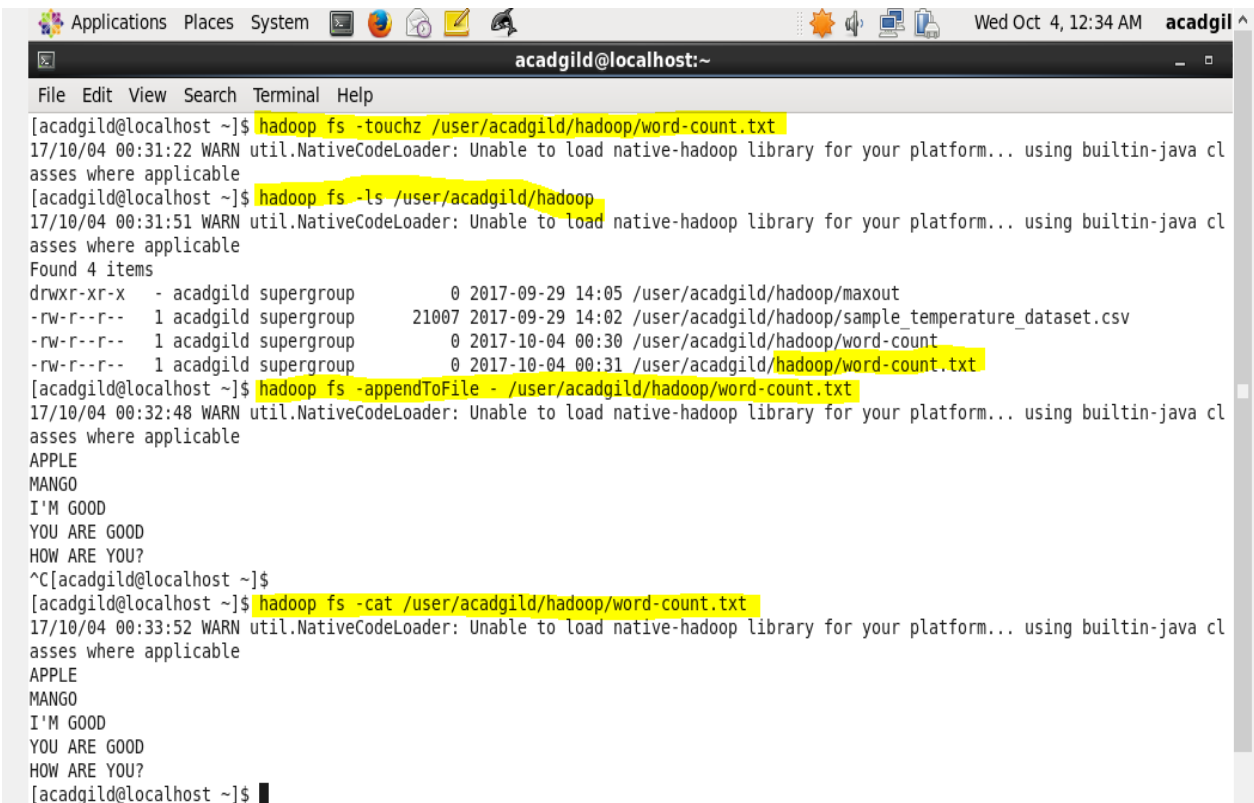
## Acadgild\_Assignment\_2.1\_Solution

### Task 1:

A terminal window titled 'acadgild@localhost:~' showing the execution of the command 'hadoop fs -ls /user/acadgild'. The output lists five items in the directory, including 'Pictures', 'applicable', 'hadoop', 'oozie-acad', and 'share'. The 'hadoop' directory is highlighted in yellow.

```
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild
17/10/04 00:13:24 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 5 items
drwxr-xr-x - acadgild supergroup          0 2015-11-20 11:46 /user/acadgild/Pictures
-rw-r--r-- 1 acadgild supergroup          0 2017-09-30 12:57 /user/acadgild/applicable
drwxr-xr-x - acadgild supergroup          0 2017-09-30 12:55 /user/acadgild/hadoop
drwxr-xr-x - acadgild supergroup          0 2015-11-17 02:03 /user/acadgild/oozie-acad
drwxr-xr-x - acadgild supergroup          0 2015-11-17 02:00 /user/acadgild/share
[acadgild@localhost ~]$
```

### Task 2:

A terminal window titled 'acadgild@localhost:~' showing a series of Hadoop commands. The commands include creating a file, listing the directory, appending content to a file, and displaying the file's contents. The output shows the file 'word-count.txt' being created and then containing the text 'APPLE', 'MANGO', 'I'M GOOD', 'YOU ARE GOOD', and 'HOW ARE YOU?'. The 'hadoop' directory and the file path are highlighted in yellow.

```
[acadgild@localhost ~]$ hadoop fs -touchz /user/acadgild/hadoop/word-count.txt
17/10/04 00:31:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
17/10/04 00:31:51 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
Found 4 items
drwxr-xr-x - acadgild supergroup          0 2017-09-29 14:05 /user/acadgild/hadoop/maxout
-rw-r--r-- 1 acadgild supergroup      21007 2017-09-29 14:02 /user/acadgild/hadoop/sample_temperature_dataset.csv
-rw-r--r-- 1 acadgild supergroup          0 2017-10-04 00:30 /user/acadgild/hadoop/word-count
-rw-r--r-- 1 acadgild supergroup          0 2017-10-04 00:31 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hadoop fs -appendToFile - /user/acadgild/hadoop/word-count.txt
17/10/04 00:32:48 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
APPLE
MANGO
I'M GOOD
YOU ARE GOOD
HOW ARE YOU?
^C[acadgild@localhost ~]$
[acadgild@localhost ~]$ hadoop fs -cat /user/acadgild/hadoop/word-count.txt
17/10/04 00:33:52 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl
asses where applicable
APPLE
MANGO
I'M GOOD
YOU ARE GOOD
HOW ARE YOU?
[acadgild@localhost ~]$
```

**Task 3:**

-Step 1: Creating file **max-temp.txt** using touch command

```

Applications Places System [Icons] [Firefox] [Email] [Calendar] [Terminal] [Help]
acadgild@localhost:~ Click to view your
File Edit View Search Terminal Help
[acadgild@localhost ~]$ touch max-temp.txt
[acadgild@localhost ~]$ ls -lt
total 281004
-rw-rw-r--. 1 acadgild acadgild      0 Oct 11 23:09 max-temp.txt
drwxrwxr-x. 5 acadgild acadgild    4096 Sep 30 10:51 hadoop
drwxrwxr-x. 8 acadgild acadgild    4096 Sep 17 13:18 eclipse
drwxrwxr-x. 3 acadgild acadgild    4096 Sep 12 15:38 hdfs:
-rw-rw-r--. 1 acadgild acadgild    4968 Sep 12 15:30 pig_1505210340699.log
-rw-rw-r--. 1 acadgild acadgild    4968 Sep 12 13:11 pig_1505202053858.log
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 25 2015 Downloads
-rw-rw-r--. 1 acadgild acadgild     828 Nov 25 2015 hive-site.xml
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 21 2015 Desktop
drwxrwxr-x. 10 acadgild acadgild    4096 Nov 20 2015 workspace
-rw-rw-r--. 1 acadgild acadgild   20941 Nov 20 2015 derby.log
drwxrwxr-x. 5 acadgild acadgild    4096 Nov 20 2015 metastore_db
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 20 2015 Pictures
-rw-rw-r--. 1 acadgild acadgild 287645568 Nov 16 2015 eclipse-jee-neon-M3-linux-gtk-x86_64.tar.gz
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 4 2015 Documents
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 4 2015 Music
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 4 2015 Public
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 4 2015 Templates
drwxr-xr-x. 2 acadgild acadgild    4096 Nov 4 2015 Videos
[acadgild@localhost ~]$

```

Step 2: Appending Year and corresponding Temperature using **echo** command and checking the data using **head** command inside max-temp.txt

## Acadgild\_Assignment\_2.1\_Solution

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ echo 10-01-1981,10 >> max-temp.txt  
[acadgild@localhost ~]$ echo 10-01-1982,20 >> max-temp.txt  
[acadgild@localhost ~]$ echo 10-01-1983,30 >> max-temp.txt  
[acadgild@localhost ~]$ echo 10-01-1984,40 >> max-temp.txt  
[acadgild@localhost ~]$ echo 10-01-1985,50 >> max-temp.txt  
[acadgild@localhost ~]$ echo 10-01-1986,60 >> max-temp.txt  
[acadgild@localhost ~]$ head -7 max-temp.txt  
10-01-1981,10  
10-01-1982,20  
10-01-1983,30  
10-01-1984,40  
10-01-1985,50  
10-01-1986,60  
[acadgild@localhost ~]$
```

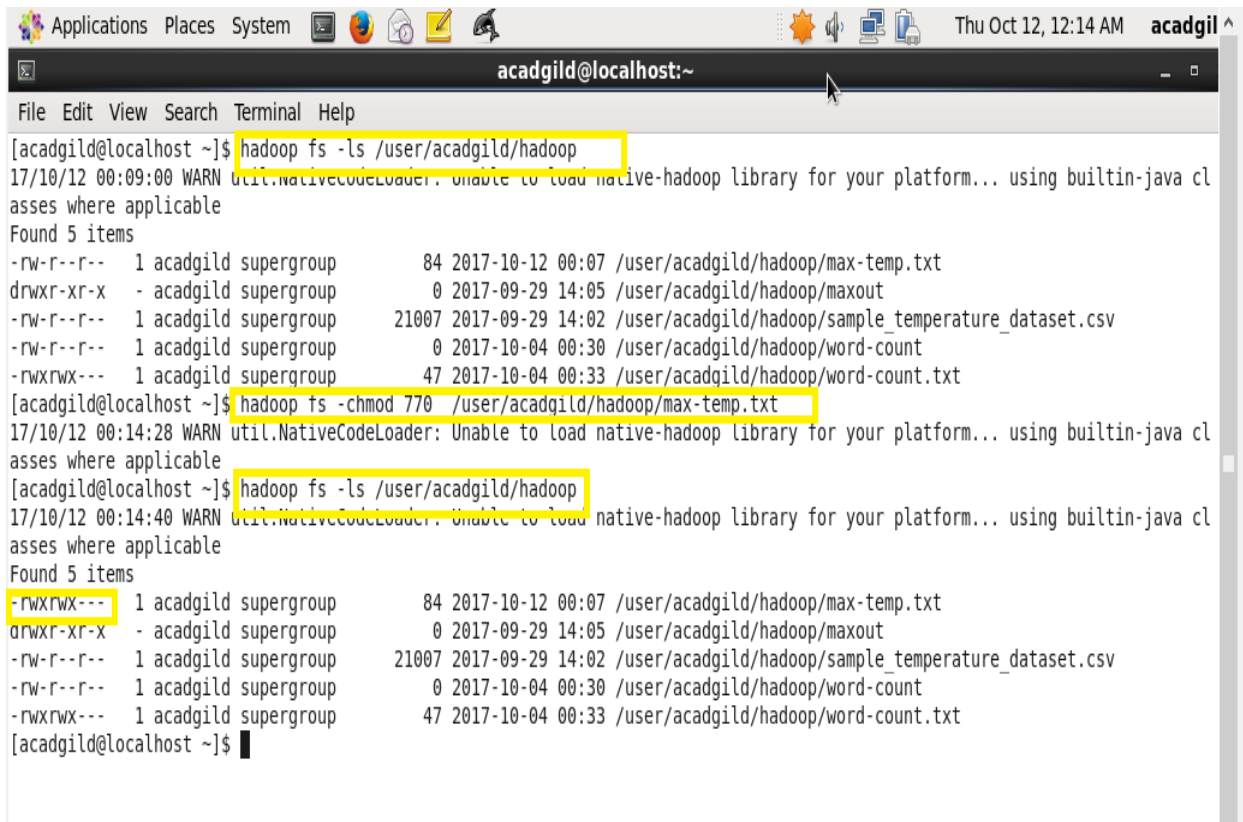
-Step 3: Moving a max.temp.txt inside the /user/acadgild/hadoop using **hadoop fs -put** command

```
Applications Places System Thu Oct 12, 12:07 AM acadgild  
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
17/10/12 00:06:11 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
Found 4 items  
drwxr-xr-x  - acadgild supergroup      0 2017-09-29 14:05 /user/acadgild/hadoop/maxout  
-rw-r--r--  1 acadgild supergroup    21007 2017-09-29 14:02 /user/acadgild/hadoop/sample_temperature_dataset.csv  
-rw-r--r--  1 acadgild supergroup      0 2017-10-04 00:30 /user/acadgild/hadoop/word-count  
-rwxrwx---  1 acadgild supergroup     47 2017-10-04 00:33 /user/acadgild/hadoop/word-count.txt  
[acadgild@localhost ~]$ hadoop fs -put /home/acadgild/max-temp.txt /user/acadgild/hadoop  
17/10/12 00:07:01 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop  
17/10/12 00:07:19 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java cl  
asses where applicable  
Found 5 items  
-rw-r--r--  1 acadgild supergroup      84 2017-10-12 00:07 /user/acadgild/hadoop/max-temp.txt  
drwxr-xr-x  - acadgild supergroup      0 2017-09-29 14:05 /user/acadgild/hadoop/maxout  
-rw-r--r--  1 acadgild supergroup    21007 2017-09-29 14:02 /user/acadgild/hadoop/sample_temperature_dataset.csv  
-rw-r--r--  1 acadgild supergroup      0 2017-10-04 00:30 /user/acadgild/hadoop/word-count  
-rwxrwx---  1 acadgild supergroup     47 2017-10-04 00:33 /user/acadgild/hadoop/word-count.txt  
[acadgild@localhost ~]$
```

### Task 4:

-Changing max-temp.txt file permission using **hadoop fs -chmod 770** command

## Acadgild\_Assignment\_2.1\_Solution



The image shows a terminal window titled 'acadgild@localhost:~' with a menu bar (File, Edit, View, Search, Terminal, Help) and a system bar at the top (Applications, Places, System, Thu Oct 12, 12:14 AM, acadgil ^). The terminal displays the following commands and output:

```
[acadgild@localhost ~]$ hadoop fs -ls /user/acadgild/hadoop
17/10/12 00:09:00 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 5 items
-rw-r--r-- 1 acadgild supergroup      84 2017-10-12 00:07 /user/acadgild/hadoop/max-temp.txt
drwxr-xr-x - acadgild supergroup      0 2017-09-29 14:05 /user/acadgild/hadoop/maxout
-rw-r--r-- 1 acadgild supergroup  21007 2017-09-29 14:02 /user/acadgild/hadoop/sample_temperature_dataset.csv
-rw-r--r-- 1 acadgild supergroup      0 2017-10-04 00:30 /user/acadgild/hadoop/word-count
-rwxrwx--- 1 acadgild supergroup     47 2017-10-04 00:33 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$ hadoop fs -chmod 770 /user/acadgild/hadoop/max-temp.txt
17/10/12 00:14:28 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
17/10/12 00:14:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 5 items
-rwxrwx--- 1 acadgild supergroup      84 2017-10-12 00:07 /user/acadgild/hadoop/max-temp.txt
drwxr-xr-x - acadgild supergroup      0 2017-09-29 14:05 /user/acadgild/hadoop/maxout
-rw-r--r-- 1 acadgild supergroup  21007 2017-09-29 14:02 /user/acadgild/hadoop/sample_temperature_dataset.csv
-rw-r--r-- 1 acadgild supergroup      0 2017-10-04 00:30 /user/acadgild/hadoop/word-count
-rwxrwx--- 1 acadgild supergroup     47 2017-10-04 00:33 /user/acadgild/hadoop/word-count.txt
[acadgild@localhost ~]$
```

Thanks,

Shishir