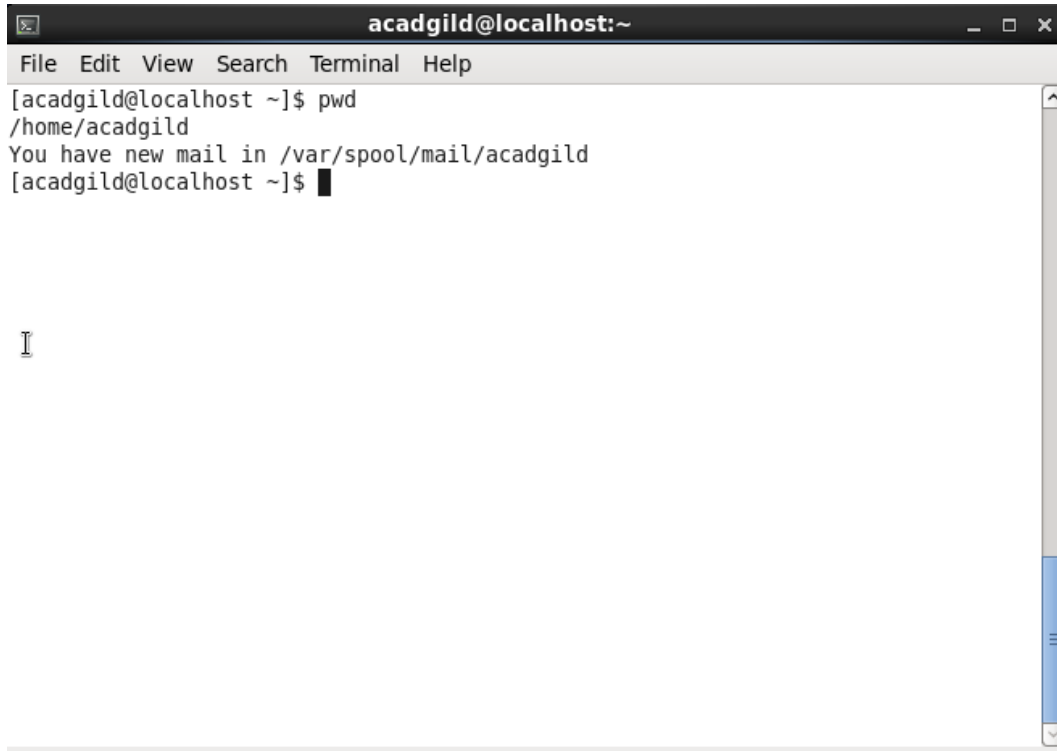


## Assignment2

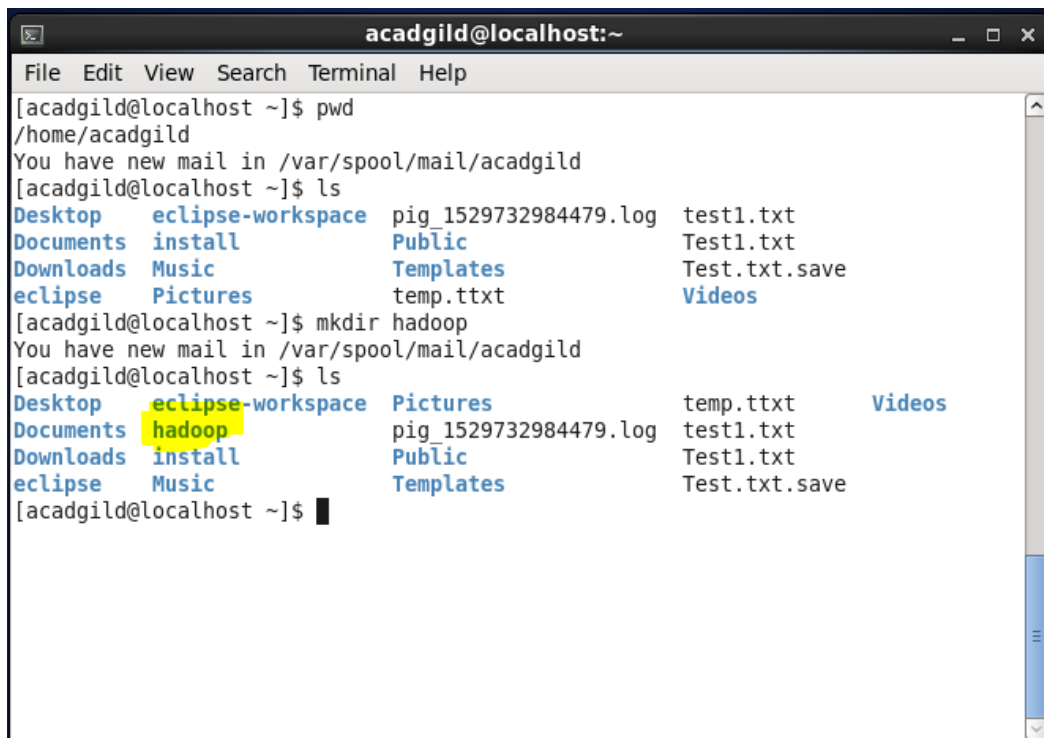
### 1.Tasks of Big DATA Hadoop Development 1.

Check whether directory exists in /home/acadgild, if not create one as /home/acadgild/hadoop



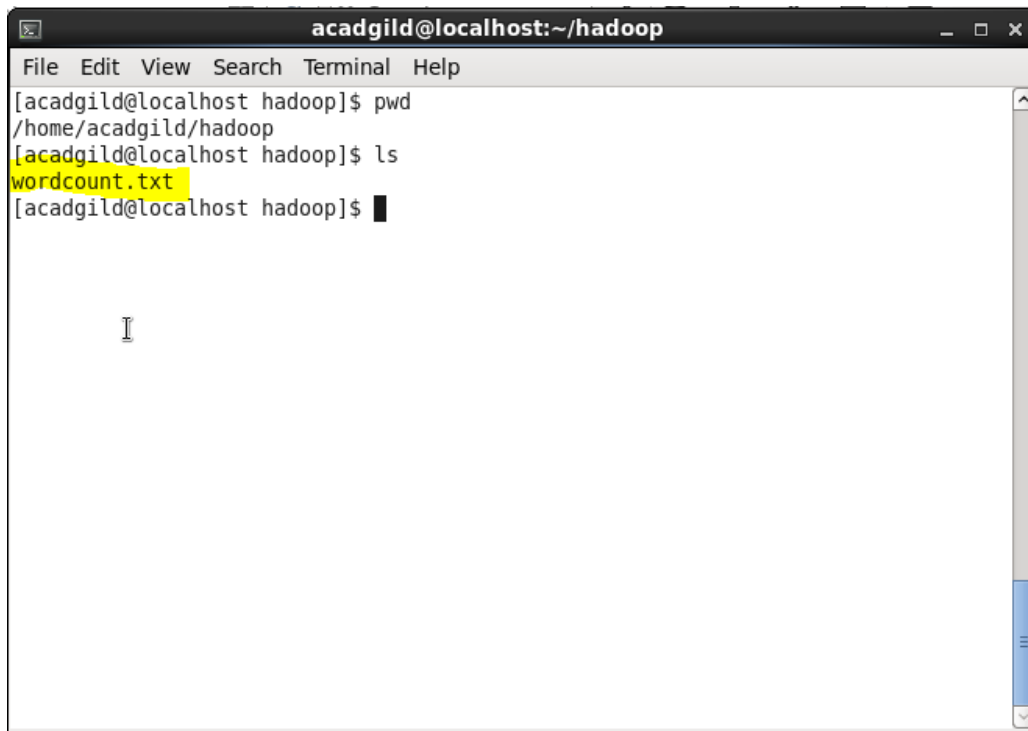
```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ pwd  
/home/acadgild  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$
```

Created Directory with name 'hadoop'



```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ pwd  
/home/acadgild  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ ls  
Desktop  eclipse-workspace  pig_1529732984479.log  test1.txt  
Documents  install          Public                Test1.txt  
Downloads  Music           Templates             Test.txt.save  
eclipse    Pictures        temp.ttxt            Videos  
[acadgild@localhost ~]$ mkdir hadoop  
You have new mail in /var/spool/mail/acadgild  
[acadgild@localhost ~]$ ls  
Desktop  eclipse-workspace  Pictures  temp.ttxt  Videos  
Documents  hadoop          pig_1529732984479.log  test1.txt  
Downloads  install        Public    Test1.txt  
eclipse    Music          Templates  Test.txt.save  
[acadgild@localhost ~]$
```

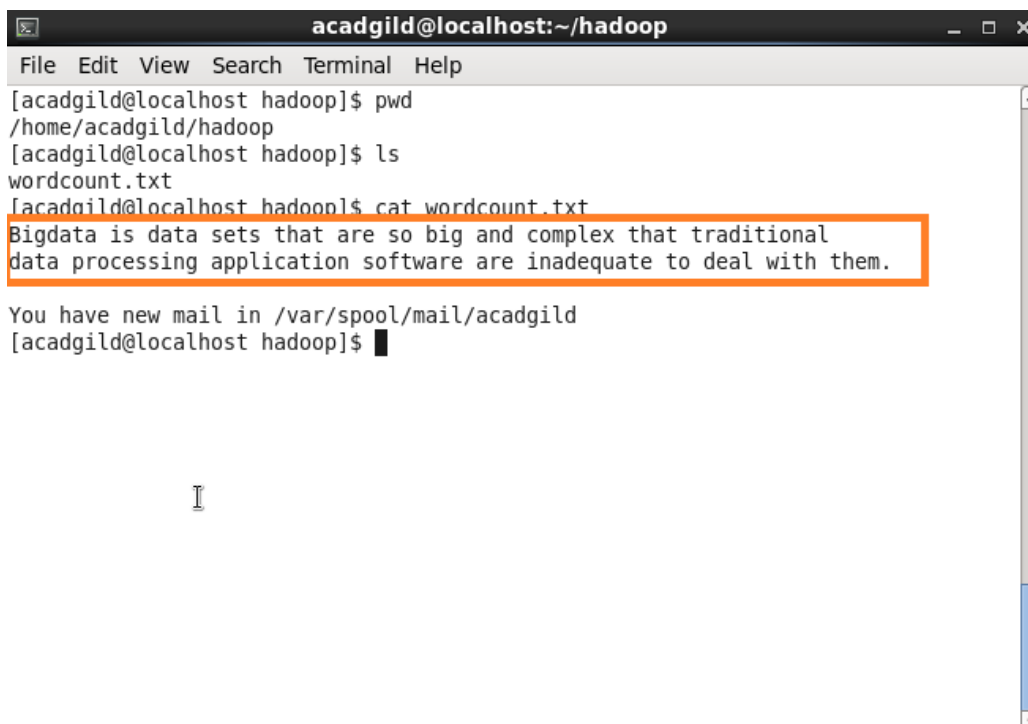
2. MakeFilein/home/acadgild/Hadoopwithnameword-count.txtandaddsomecontentinfile  
Addingcontextinword-count.txt



```
acadgild@localhost:~/hadoop
File Edit View Search Terminal Help
[acadgild@localhost hadoop]$ pwd
/home/acadgild/hadoop
[acadgild@localhost hadoop]$ ls
wordcount.txt
[acadgild@localhost hadoop]$
```

A terminal window titled 'acadgild@localhost:~/hadoop' with a menu bar (File, Edit, View, Search, Terminal, Help). The user runs 'pwd' and 'ls'. The output of 'ls' shows 'wordcount.txt' highlighted in yellow. The cursor is at the end of the command line.

Content added in word-count.txt file 'cat' command is used to display the content

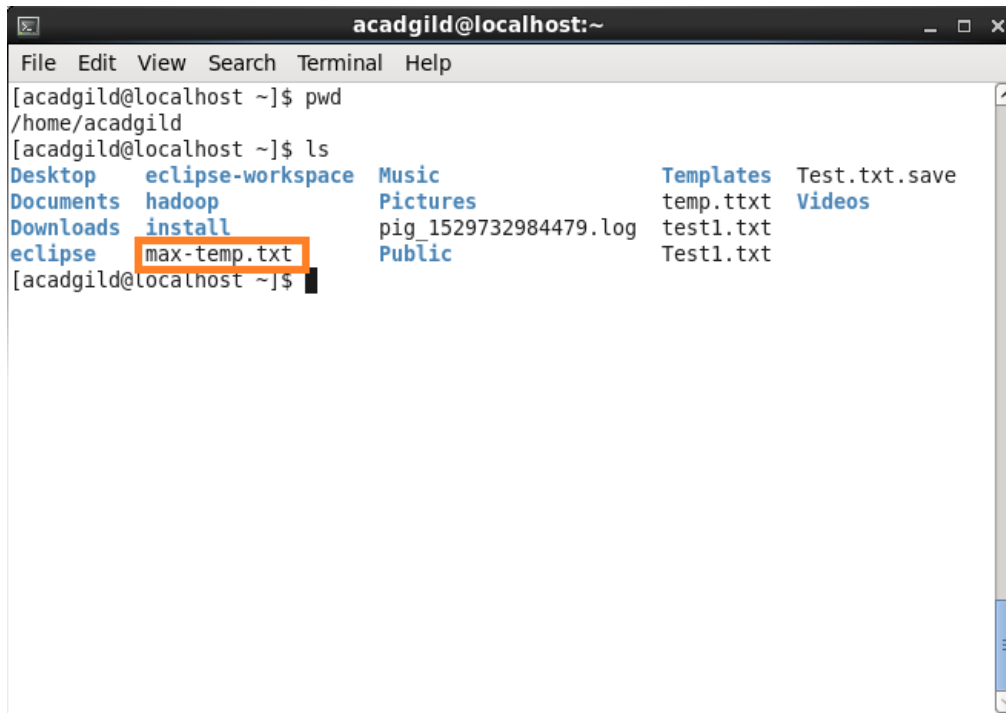


```
acadgild@localhost:~/hadoop
File Edit View Search Terminal Help
[acadgild@localhost hadoop]$ pwd
/home/acadgild/hadoop
[acadgild@localhost hadoop]$ ls
wordcount.txt
[acadgild@localhost hadoop]$ cat wordcount.txt
Bigdata is data sets that are so big and complex that traditional
data processing application software are inadequate to deal with them.
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop]$
```

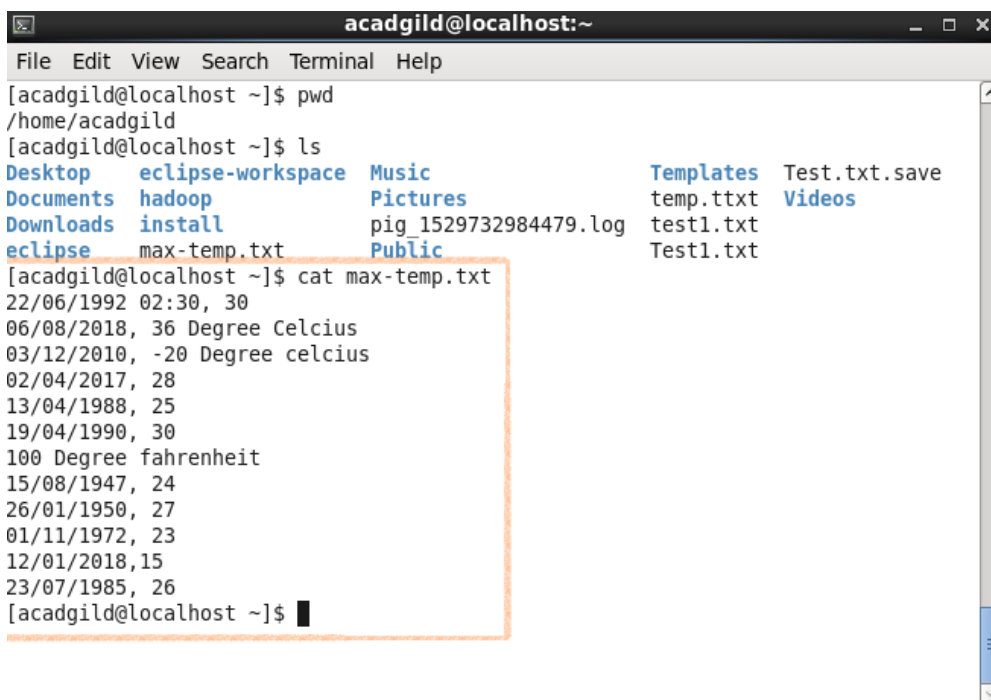
A terminal window titled 'acadgild@localhost:~/hadoop' with a menu bar (File, Edit, View, Search, Terminal, Help). The user runs 'pwd', 'ls', and 'cat wordcount.txt'. The output of 'cat' shows the content of 'wordcount.txt', which is highlighted with an orange box: 'Bigdata is data sets that are so big and complex that traditional data processing application software are inadequate to deal with them.' Below this, a system message says 'You have new mail in /var/spool/mail/acadgild'. The cursor is at the end of the command line.

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

Created file in Local FS with name max-temp.txt

A terminal window titled 'acadgild@localhost:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The user has executed 'pwd' showing '/home/acadgild' and 'ls' showing a directory listing. The file 'max-temp.txt' is highlighted with an orange box in the 'ls' output.

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ pwd  
/home/acadgild  
[acadgild@localhost ~]$ ls  
Desktop    eclipse-workspace  Music      Templates  Test.txt.save  
Documents  hadoop            Pictures    temp.ttxt  Videos  
Downloads  install           pig_1529732984479.log test1.txt  
eclipse    max-temp.txt      Public     Test1.txt  
[acadgild@localhost ~]$
```

A terminal window titled 'acadgild@localhost:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The user has executed 'cat max-temp.txt' and the output is displayed. The output text is enclosed in an orange box.

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ pwd  
/home/acadgild  
[acadgild@localhost ~]$ ls  
Desktop    eclipse-workspace  Music      Templates  Test.txt.save  
Documents  hadoop            Pictures    temp.ttxt  Videos  
Downloads  install           pig_1529732984479.log test1.txt  
eclipse    max-temp.txt      Public     Test1.txt  
[acadgild@localhost ~]$ cat max-temp.txt  
22/06/1992 02:30, 30  
06/08/2018, 36 Degree Celcius  
03/12/2010, -20 Degree celcius  
02/04/2017, 28  
13/04/1988, 25  
19/04/1990, 30  
100 Degree fahrenheit  
15/08/1947, 24  
26/01/1950, 27  
01/11/1972, 23  
12/01/2018,15  
23/07/1985, 26  
[acadgild@localhost ~]$
```

Move file in HDFS home/acadgild/Hadoop using mv cmd

```
acadgild@localhost:~/hadoop
File Edit View Search Terminal Help
23/07/1985, 26
[acadgild@localhost ~]$ pwd
/home/acadgild
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost ~]$ ls
Desktop  eclipse-workspace  Music          Templates  Test.txt.save
Documents  hadoop            Pictures       temp.txt   Videos
Downloads install            pig_1529732984479.log test1.txt
eclipse  max-temp.txt      Public         Test1.txt
[acadgild@localhost ~]$ mv max-temp.txt /home/acadgild/hadoop/
[acadgild@localhost ~]$ ls
Desktop  eclipse-workspace  Pictures       temp.txt   Videos
Documents  hadoop            pig_1529732984479.log test1.txt
Downloads install            Public         Test1.txt
eclipse  Music             Templates      Test.txt.save
[acadgild@localhost ~]$ cd /home/acadgild/hadoop/
[acadgild@localhost hadoop]$ ls
max-temp.txt wordcount.txt
[acadgild@localhost hadoop]$ clear

[acadgild@localhost hadoop]$ pwd
/home/acadgild/hadoop
[acadgild@localhost hadoop]$ ls
max-temp.txt wordcount.txt
```

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.

Checked permission on file using ls-l/file-name/

```
acadgild@localhost:~/hadoop
File Edit View Search Terminal Help
[acadgild@localhost ~]$ mv max-temp.txt /home/acadgild/hadoop/
[acadgild@localhost ~]$ ls
Desktop  eclipse-workspace  Pictures       temp.txt   Videos
Documents  hadoop            pig_1529732984479.log test1.txt
Downloads install            Public         Test1.txt
eclipse  Music             Templates      Test.txt.save
[acadgild@localhost ~]$ cd /home/acadgild/hadoop/
[acadgild@localhost hadoop]$ ls
max-temp.txt wordcount.txt
[acadgild@localhost hadoop]$ clear

[acadgild@localhost hadoop]$ pwd
/home/acadgild/hadoop
[acadgild@localhost hadoop]$ ls
max-temp.txt wordcount.txt
[acadgild@localhost hadoop]$ ls -l
total 8
-rw-rw-r--. 1 acadgild acadgild 224 Aug  6 20:36 max-temp.txt
-rw-rw-r--. 1 acadgild acadgild 138 Aug  6 20:19 wordcount.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop]$ ls -l max-temp.txt
-rw-rw-r--. 1 acadgild acadgild 224 Aug  6 20:36 max-temp.txt
You have new mail in /var/spool/mail/acadgild
```

- ✓ Change permission on file max-tem.txt using chmod770
- ✓ Chmod770–Will have full control with Owner(0) and Group(7) and No control to others(0)
- ✓ Used ls-l command to check permission on file
- ✓ In second block below we can see only Owner and Group have rwx and others have no access

```
acadgild@localhost:~/hadoop
File Edit View Search Terminal Help
[acadgild@localhost hadoop]$ chmod 770 max-temp.txt
[acadgild@localhost hadoop]$ ls
max-temp.txt wordcount.txt
[acadgild@localhost hadoop]$ ls -l max-temp.txt
-rwxrwx---. 1 acadgild acadgild 224 Aug  6 20:36 max-temp.txt
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost hadoop]$ ls -l
total 8
-rwxrwx---. 1 acadgild acadgild 224 Aug  6 20:36 max-temp.txt
-rw-rw-r--. 1 acadgild acadgild 138 Aug  6 20:19 wordcount.txt
[acadgild@localhost hadoop]$
```