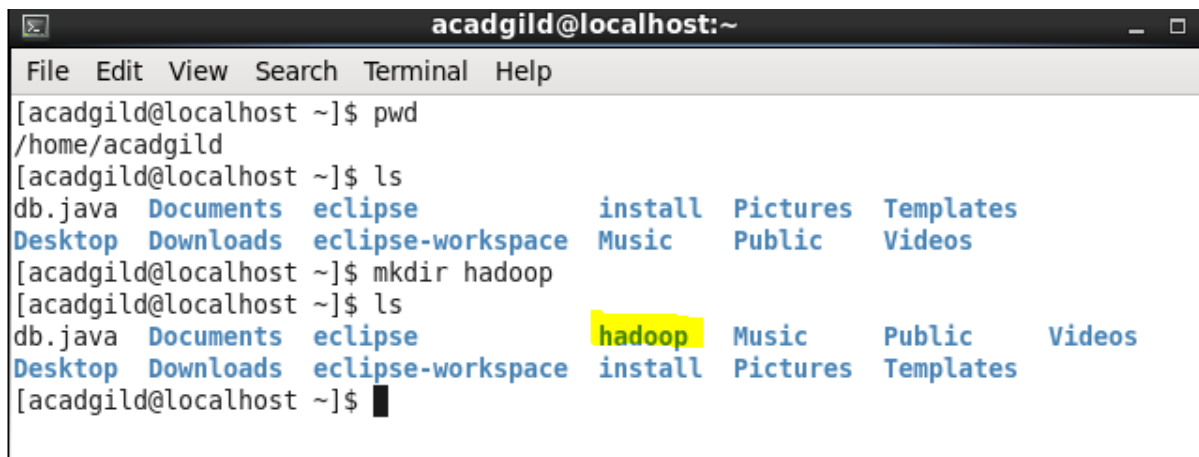# Hadoop Session-2 Assignment

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.

Mkdir → command is used to create directory

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.

Nano → command is used to create/open file

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

```
                              acadgild@localhost:~/hadoop                      _  □
 File  Edit  View  Search  Terminal  Help
[acadgild@localhost ~]$ ls -l
total 108
-rw-rw-r--.  1 acadgild acadgild 55813 Dec 29 22:24 db.java
drwxr-xr-x.  3 acadgild acadgild  4096 Dec 29 15:58 Desktop
drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Documents
drwxr-xr-x.  2 acadgild acadgild  4096 Jan 16 13:46 Downloads
drwxrwxr-x.  3 acadgild acadgild  4096 Dec 29 16:59 eclipse
drwxrwxr-x.  3 acadgild acadgild  4096 Jan 16 14:02 eclipse-workspace
drwxrwxrwx.  2 acadgild acadgild  4096 Jan 27 15:11 hadoop
drwxrwxr-x. 11 acadgild acadgild  4096 Jan 12 15:21 install
-rw-rw-r--.  1 acadgild acadgild   355 Jan 27 15:28 max-temp.txt
drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Music
drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Pictures
drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Public
drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Templates
drwxr-xr-x.  2 acadgild acadgild  4096 Dec 27 17:03 Videos
[acadgild@localhost ~]$ mv max-temp.txt hadoop
[acadgild@localhost ~]$ ls
db.java  Documents  eclipse              hadoop   Music     Public     Videos
Desktop  Downloads  eclipse-workspace    install  Pictures  Templates
[acadgild@localhost ~]$ cd hadoop/
[acadgild@localhost hadoop]$ ls
max-temp.txt  word-count.txt
[acadgild@localhost hadoop]$ █
```

Nano → command is used to create new file.

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.

Chmod → command is used to change the permission for file / directory.

Permissions: RWX – is read, write and Exectute .

Options : –u – is user, -g- is group and -o- is others.