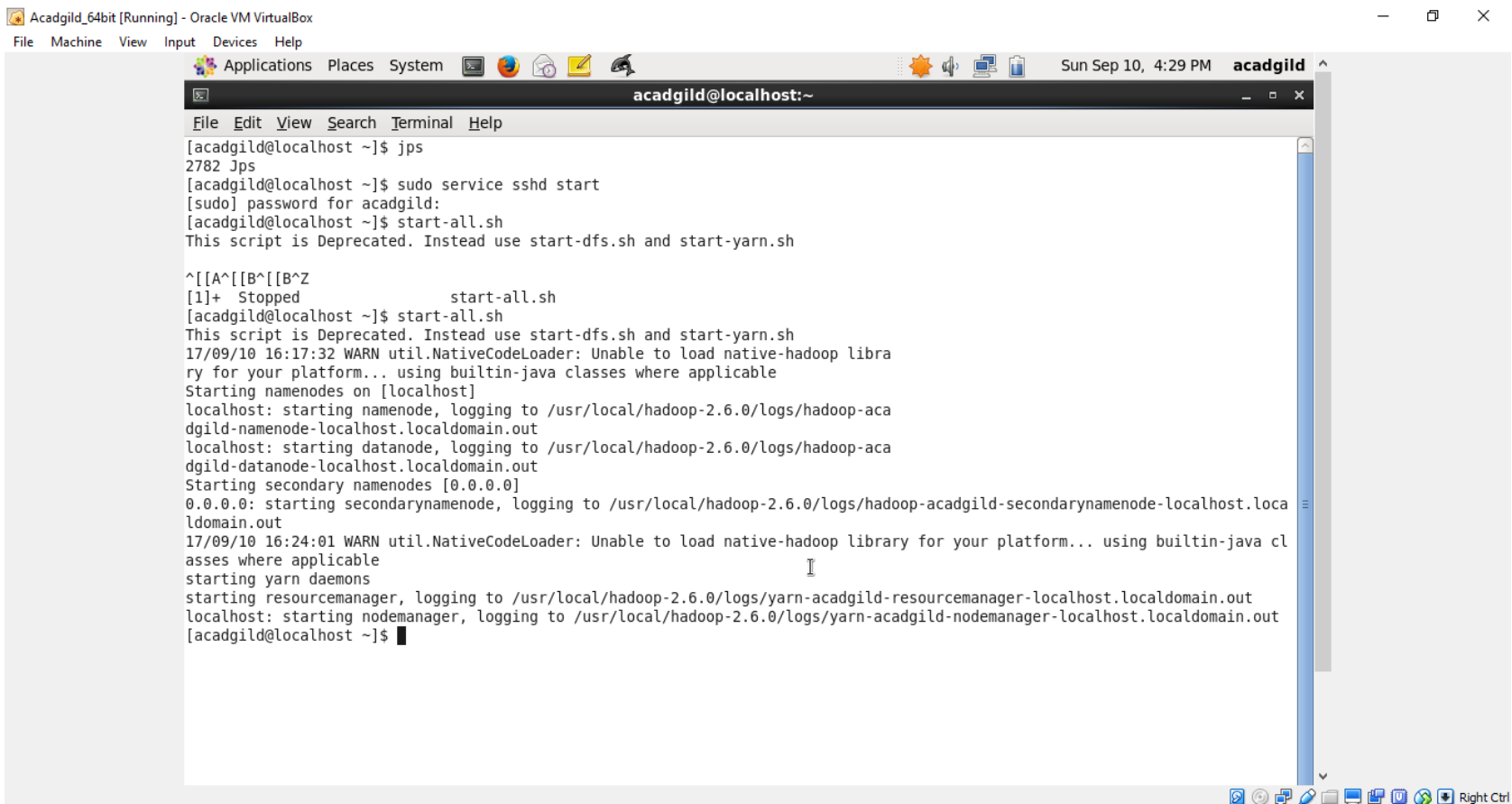
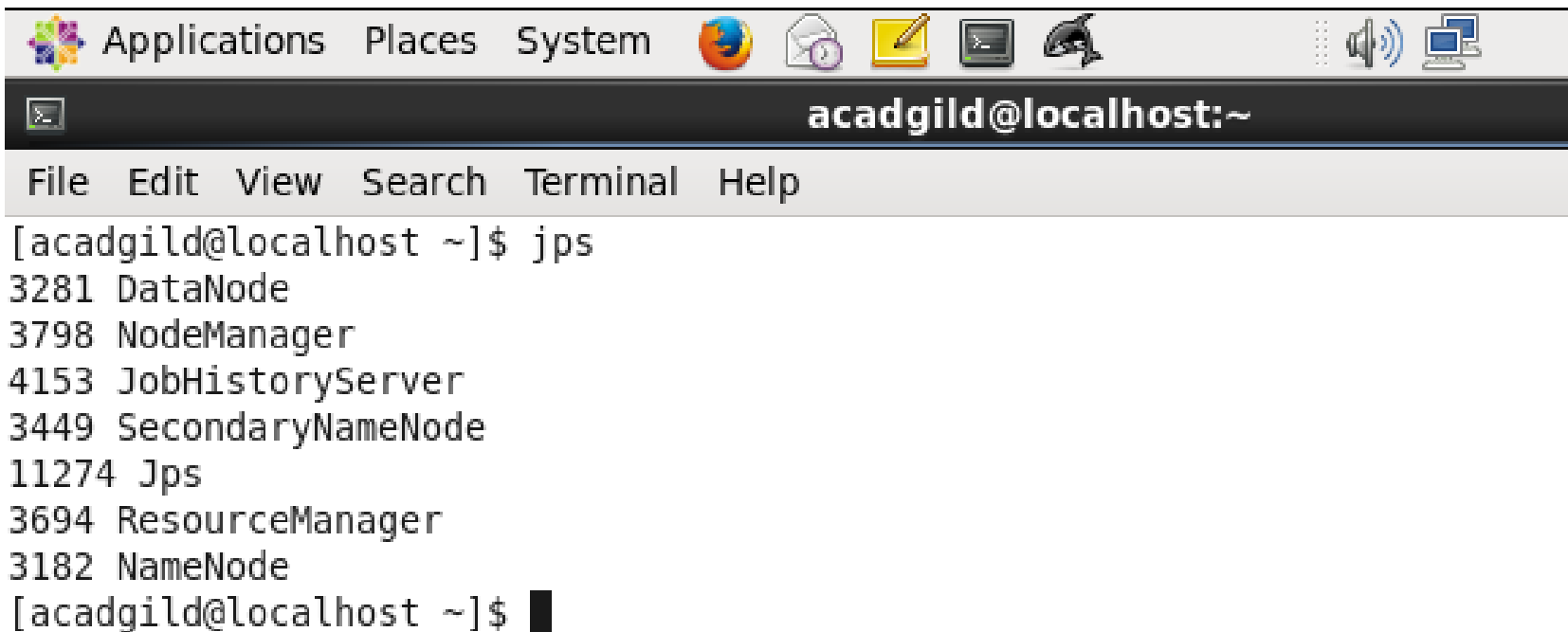


TASK-1



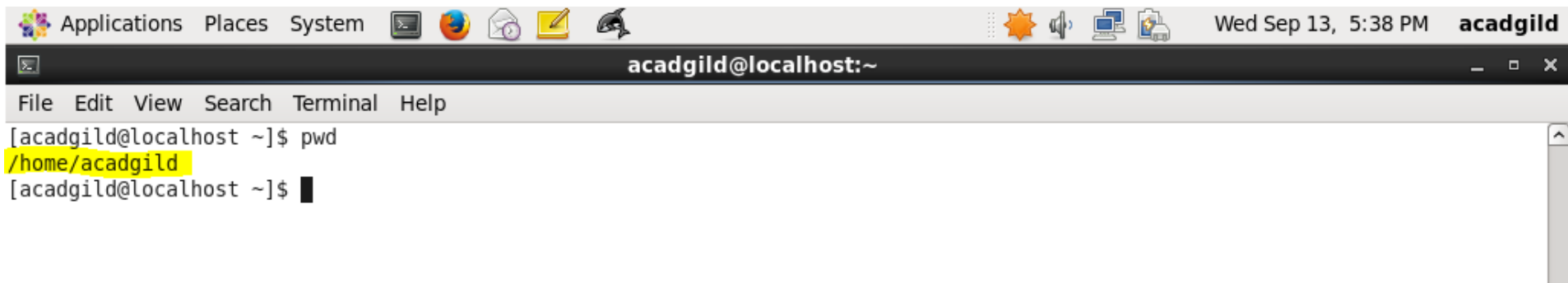
TASK-2



TASK-3

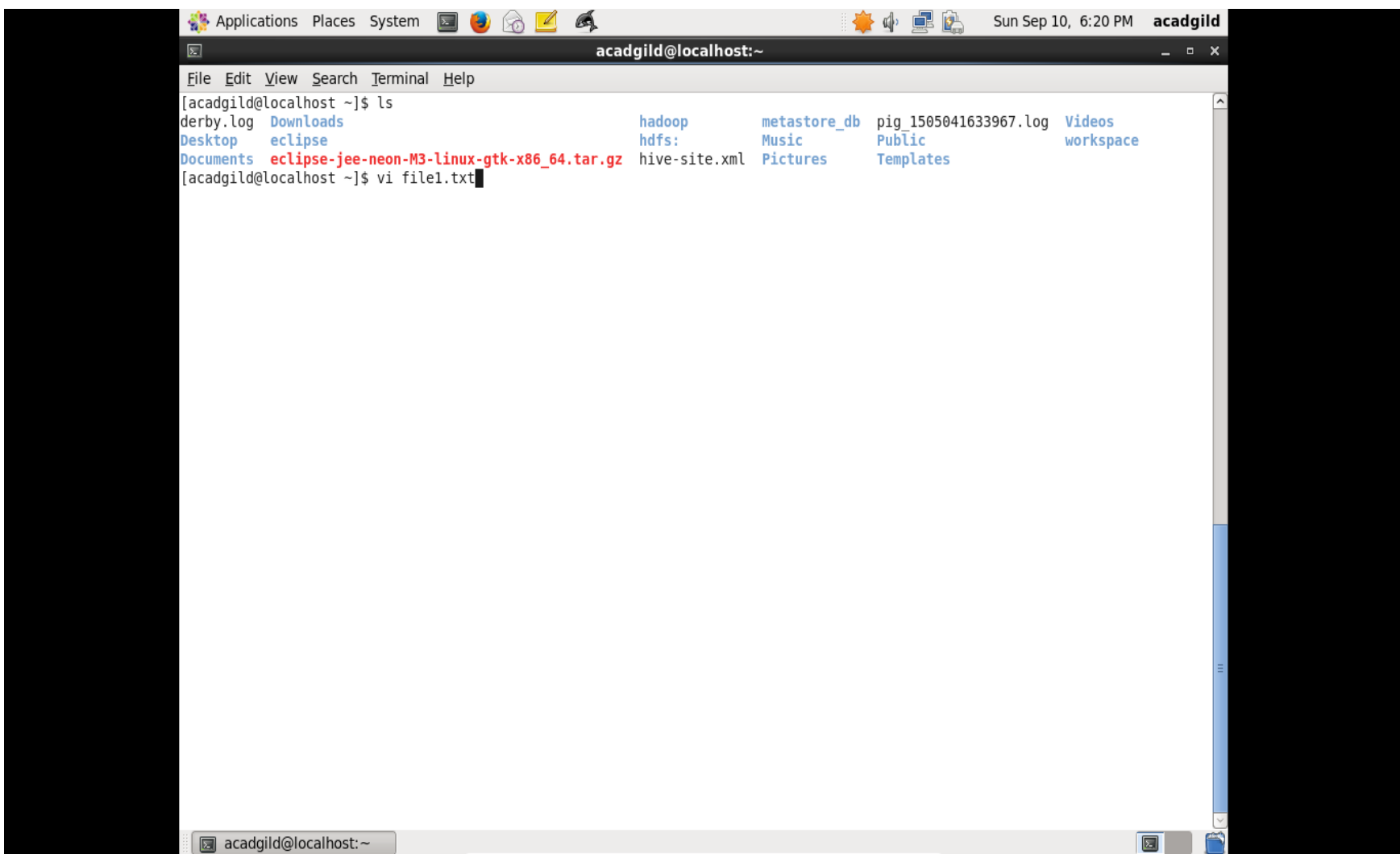
PWD- It stands for Present Working Directory. This command basically determines which directory (library path) the USER is presently working on i.e on execution it gives the present working directory's address as output.

For example- In below screenshot user is executing **pwd** command which tells that it is in- **/home/adagild** library path.

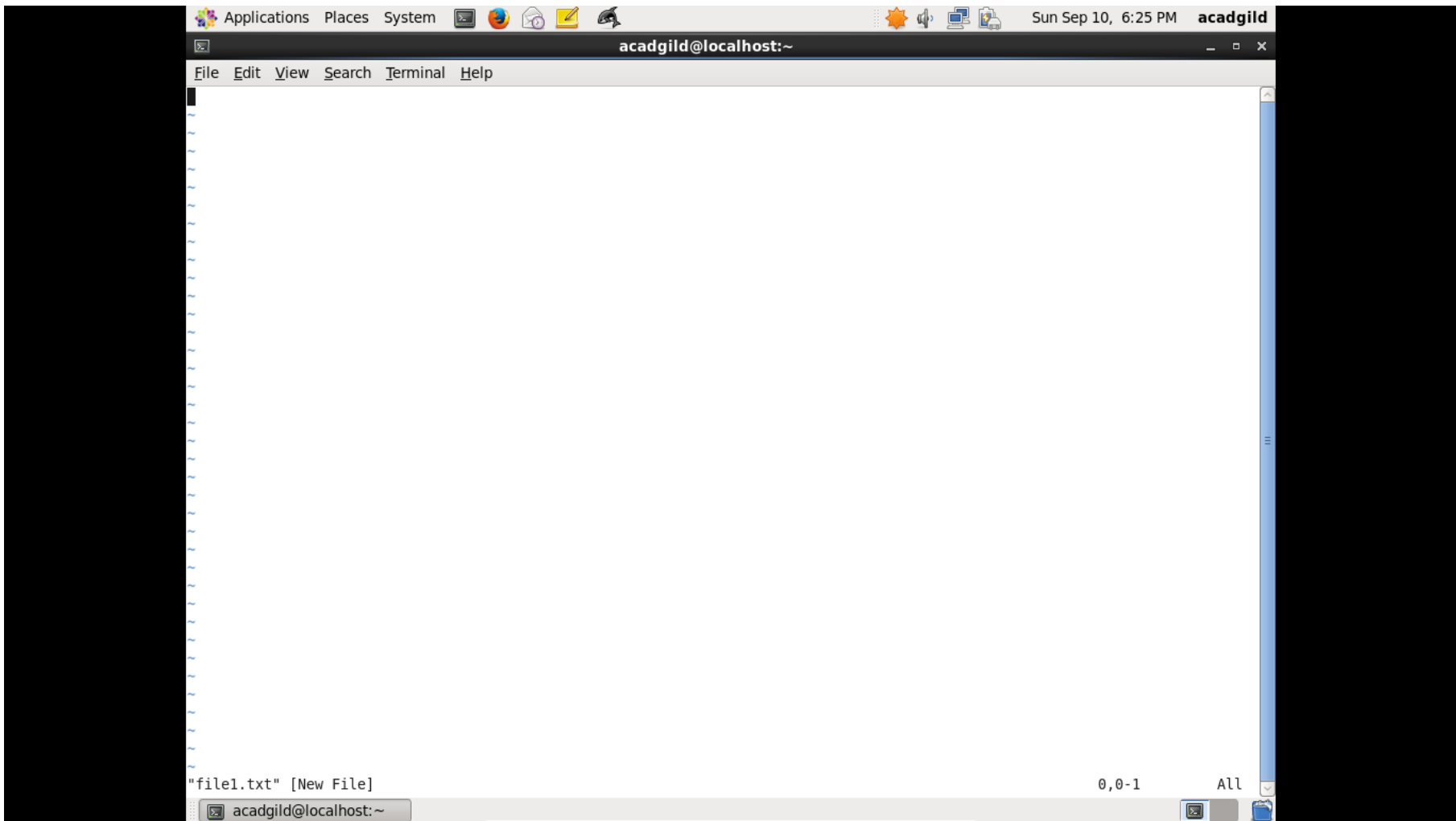


vi- It is screen oriented text editor(Visual Editor) in Unix used to view/create/edit a file.

e.g- vi File1.txt→ If the file is existing it will open the file and if it is non-existent then it will create the file and open it. See below for screenshot-



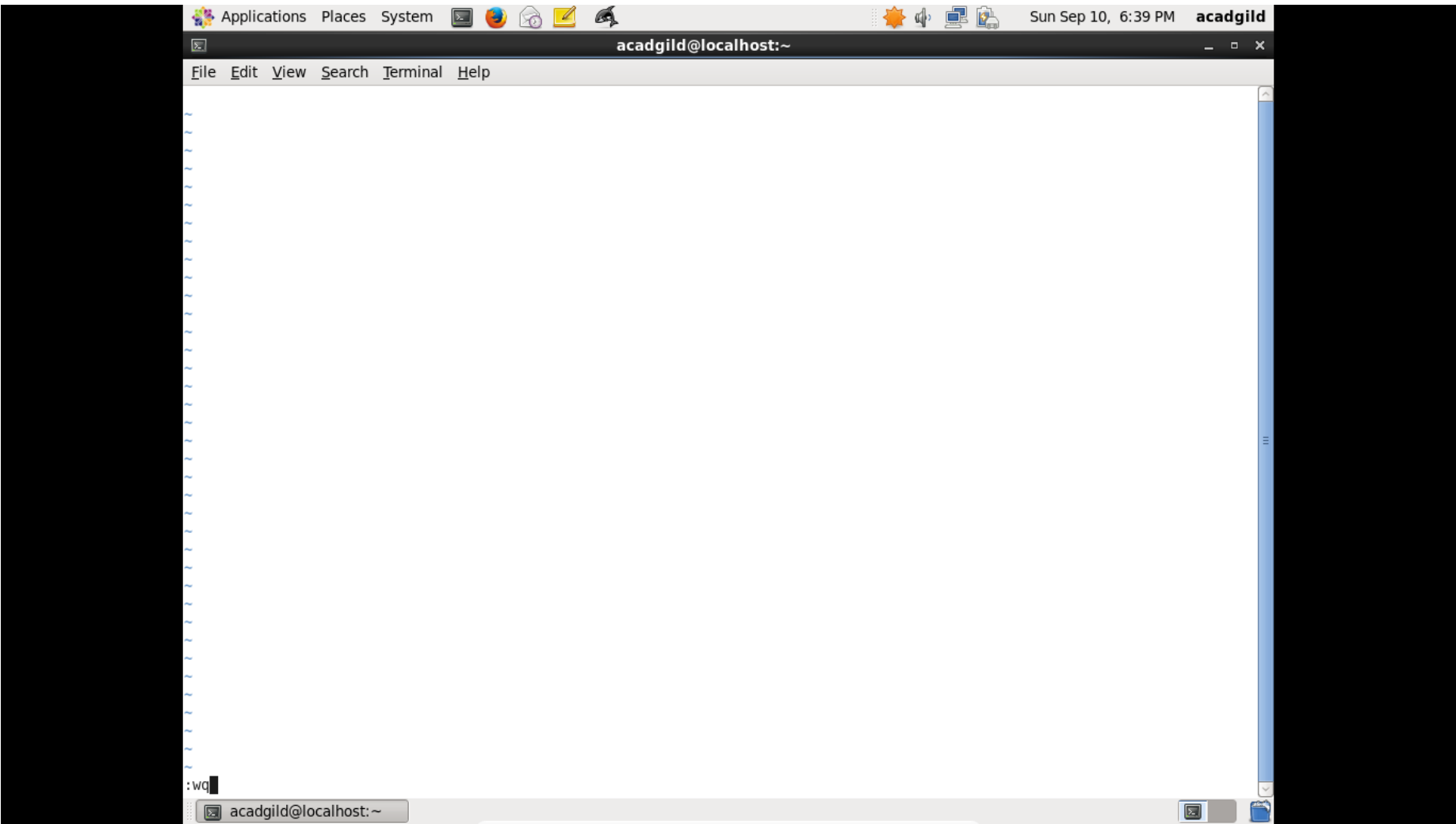
In the above screenshot the file is non-existent and we have typed vi command with file1.txt. It will create a new file **file1.txt** at **/home/adagild** as shown in below screenshot-



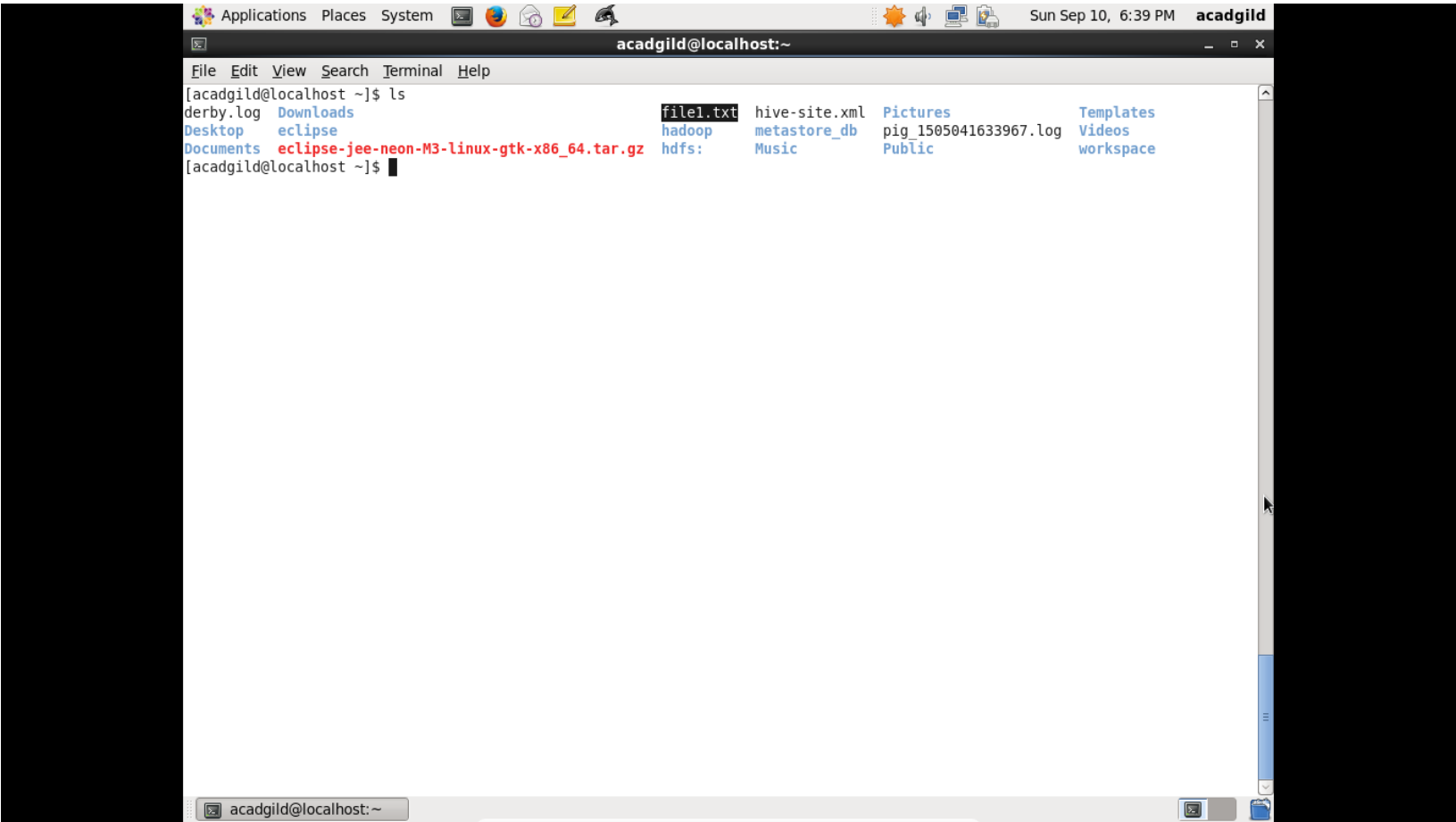
As we can see it is creating a new file.

To work in vi editor we have 2 modes of operation-

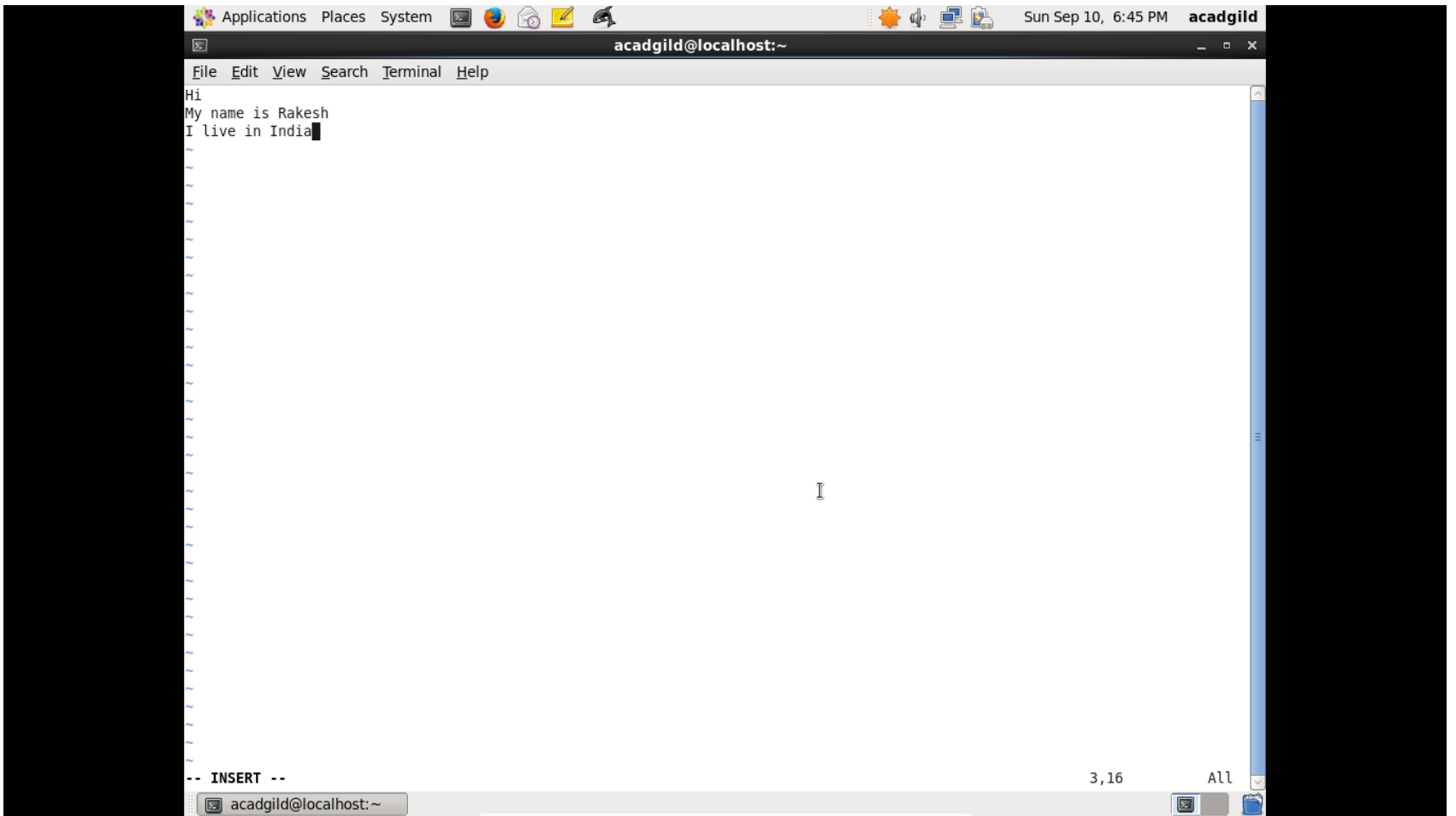
- a. **Command mode**- This mode allows us to do any administrative action on file. For example we can save above file- file1.txt in command mode so that it gets created. The command used to save it is **:wq**.



As shown in below screenshot the file1.txt gets created.



b. Insert Mode- We need to press INSERT key to go in this mode. After that we can go inside the file and insert the text that we want to be in the file as shown below.



To go back into control mode from Insert mode we need to press “ESC” key and we can use any command

- :q- to quit**
- :wq- to save and quit**
- :q!- to save without quitting**

ls- This is used to list the contents of directories and files.

In below screenshot it is simply listing all files and directories -



When used with some other options it can be used to extract other information too about files or directories.

For example **ls – R <file name/dir name>** gives directory tree in a recursive manner.

```
Applications Places System [Sun Sep 10, 8:53 PM acadgild]
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ ls -R Rakesh
Rakesh:
rakesh1

Rakesh/rakesh1:
rakesh2

Rakesh/rakesh1/rakesh2:
rakesh3

Rakesh/rakesh1/rakesh2/rakesh3:
rakesh4

Rakesh/rakesh1/rakesh2/rakesh3/rakesh4:
[acadgild@localhost ~]$
```

ls -ltr gives long listing format sorted by date/time in reverse order as shown in below screen shot

```
Applications Places System [Sun Sep 10, 8:55 PM acadgild]
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ ls -ltr
total 281000
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 4 2015 Videos
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 4 2015 Templates
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 4 2015 Public
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 4 2015 Music
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 4 2015 Documents
-rw-rw-r--. 1 acadgild acadgild 287645568 Nov 16 2015 eclipse-jee-neon-M3-linux-gtk-x86_64.tar.gz
drwxrwxr-x. 5 acadgild acadgild 4096 Nov 16 2015 hadoop
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 20 2015 Pictures
drwxrwxr-x. 5 acadgild acadgild 4096 Nov 20 2015 metastore_db
-rw-rw-r--. 1 acadgild acadgild 20941 Nov 20 2015 derby.log
drwxrwxr-x. 8 acadgild acadgild 4096 Nov 20 2015 eclipse
drwxrwxr-x. 10 acadgild acadgild 4096 Nov 20 2015 workspace
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 21 2015 Desktop
-rw-rw-r--. 1 acadgild acadgild 828 Nov 25 2015 hive-site.xml
drwxr-xr-x. 2 acadgild acadgild 4096 Nov 25 2015 Downloads
-rw-rw-r--. 1 acadgild acadgild 2484 Sep 10 16:41 pig_1505041633967.log
drwxrwxr-x. 3 acadgild acadgild 4096 Sep 10 16:59 hdfs:
-rw-rw-r--. 1 acadgild acadgild 37 Sep 10 18:53 file1.txt
drwxrwxrwx. 3 acadgild acadgild 4096 Sep 10 20:02 rakesh
[acadgild@localhost ~]$
```

ls -lt - It can be used to list libraries with the most recent one on the upside as shown in below screenshot-

```
Applications Places System [Sun Sep 10, 9:01 PM acadgild]
acadgild@localhost:~
File Edit View Search Terminal Help
[acadgild@localhost ~]$ ls -lt
total 281000
drwxrwxrwx. 3 acadgild acadgild 4096 Sep 10 20:02 rakesh
-rw-rw-r--. 1 acadgild acadgild 37 Sep 10 18:53 file1.txt
drwxrwxr-x. 3 acadgild acadgild 4096 Sep 10 16:59 hdfs:
-rw-rw-r--. 1 acadgild acadgild 2484 Sep 10 16:41 pig_1505041633967.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
drwxrwxr-x. 8 acadgild acadgild 4096 Nov 20 2015 eclipse
-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
drwxrwxr-x. 5 acadgild acadgild 4096 Nov 16 2015 hadoop
-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 ~]$
```

acadgild@localhost:~

File Edit View Search Terminal Help

GNU nano 2.0.9File: test.txtModif

Hi this is nano editor
My name is Rakesh
the file name is test.txt

Get Help

Exit

WriteOut

Justify

Read File

Where Is

Prev Page

Next

Cut Text

acadgild@localhost:~

Cur Pos

To Spell

CAT test.txt➔

drwxr-xr-x. 2 acadgild acadgild 4096 Dec 27 2017 Videos
[acadgild@localhost ~]\$ cat test.txt
Hi this is nano editor
My name is Rakesh
the file name is test.txt
[acadgild@localhost ~]\$

TASK-5

Namenode information

localhost:50070/dfshealth.html#tab-overvie

Search

Overview 'localhost:8020' (active)

Started:	Sun Jul 08 16:03:10 IST 2018
Version:	2.6.5, re8c9fe0b4c252caf2ebf1464220599650f119997
Compiled:	2016-10-02T23:43Z by sjlee from branch-2.6.5
Cluster ID:	CID-7b3f9bd8-f34c-4fb8-87aa-f76b6dfbd809
Block Pool ID:	BP-437583619-127.0.0.1-1517555661954

Summary

Namenode information

localhost:50070/dfshealth.html#tab-datanod

Search

Datanode Information

In operation

Node	Last contact	Admin State	Capacity	Used	Non DFS Used	Remaining	Blocks	Block pool used	Failed Volumes	V
localhost (127.0.0.1:50010)	2	In Service	17.11 GB	1016.29 MB	12.57 GB	3.55 GB	17	1016.29 MB (5.8%)	0	2

Startup Progress

Elapsed Time: 59 sec, Percent Complete: 100%

Phase	Completion	Elapsed Time
Loading fsimage /home/acadgild/install/data/dfs/name/current /fsimage_00000000000000000333 2.07 KB	100%	6 sec
inodes (0/0)	100%	
delegation tokens (0/0)	100%	
cache pools (0/0)	100%	
Loading edits	100%	0 sec
/home/acadgild/install/data/dfs/name/current /edits_00000000000000000334-00000000000000000334 1 MB (1/1)	100%	
Saving checkpoint	100%	1 sec