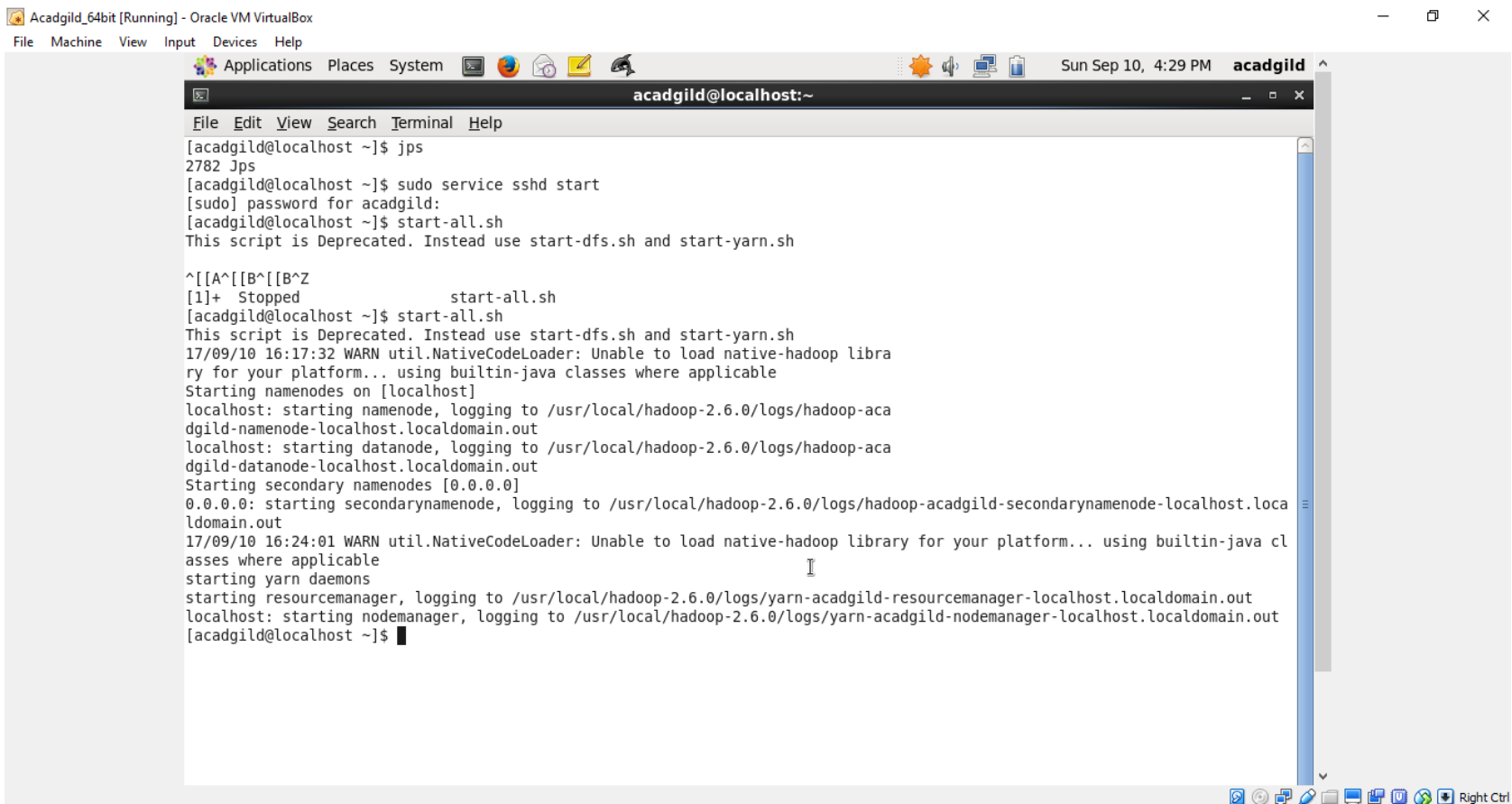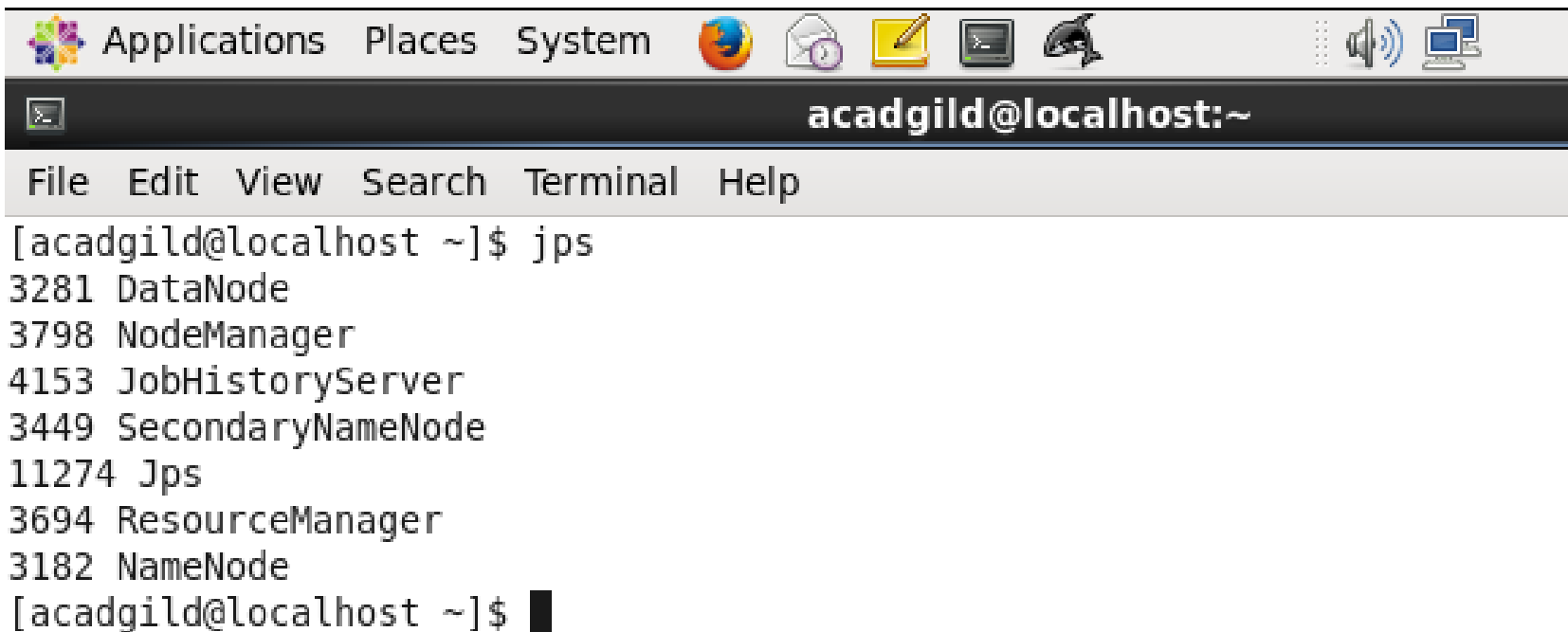**TASK-1**

TASK-2

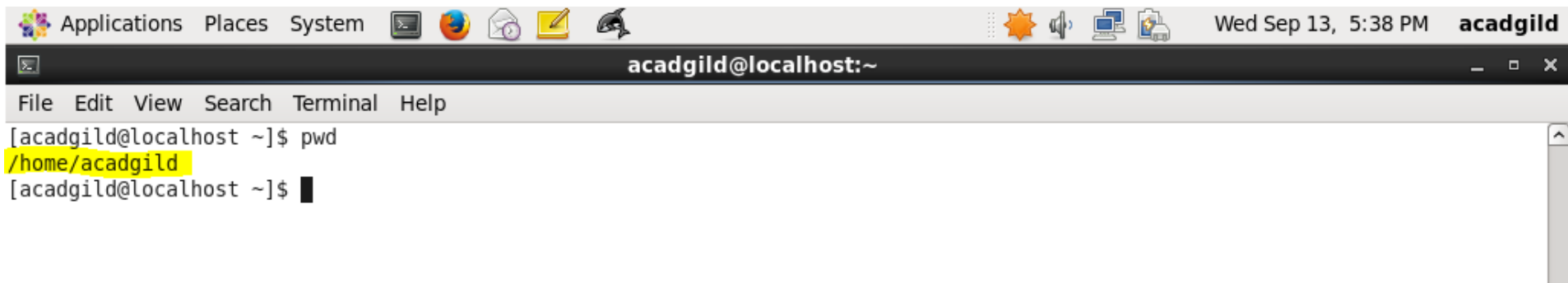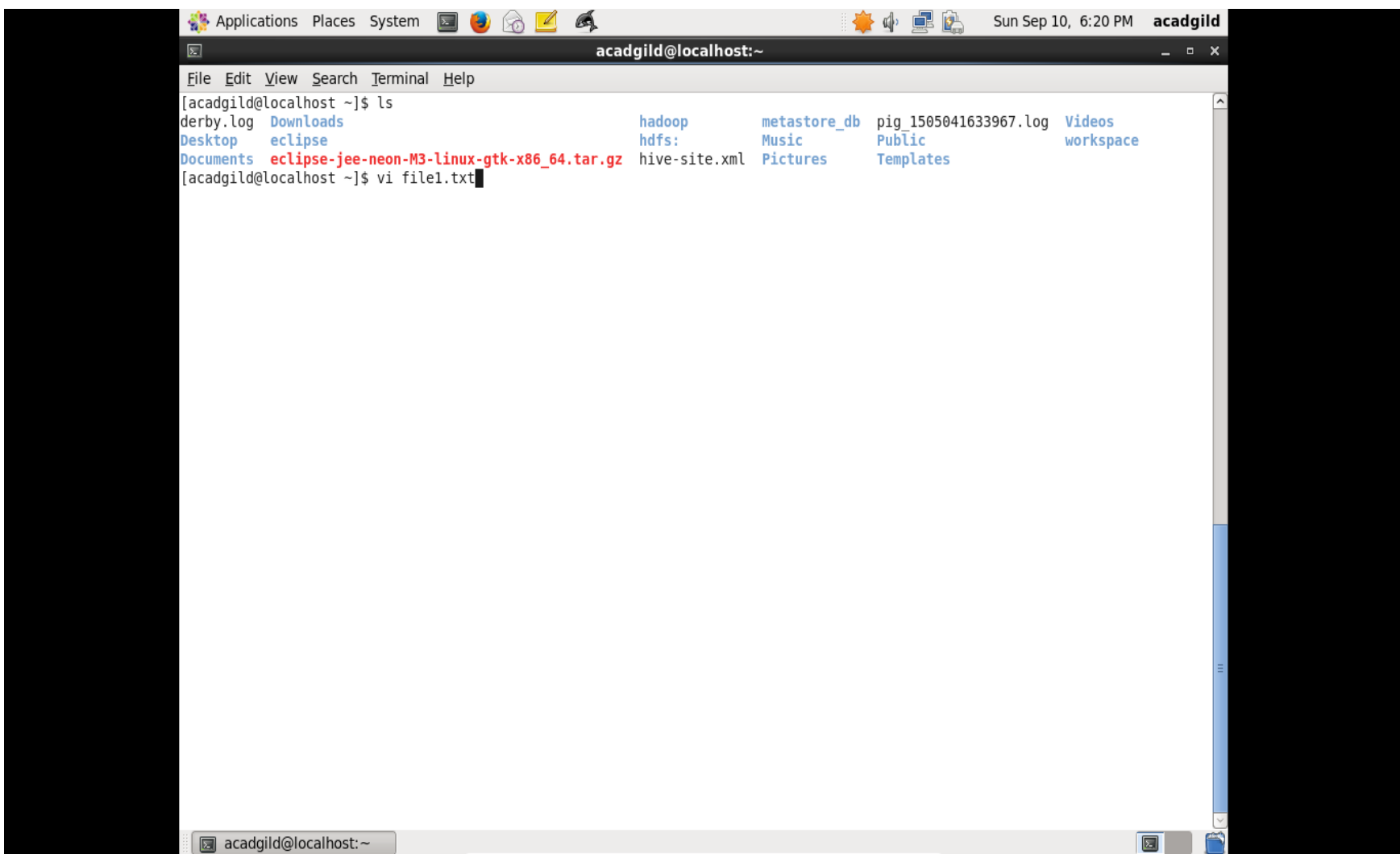**TASK-3**

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.
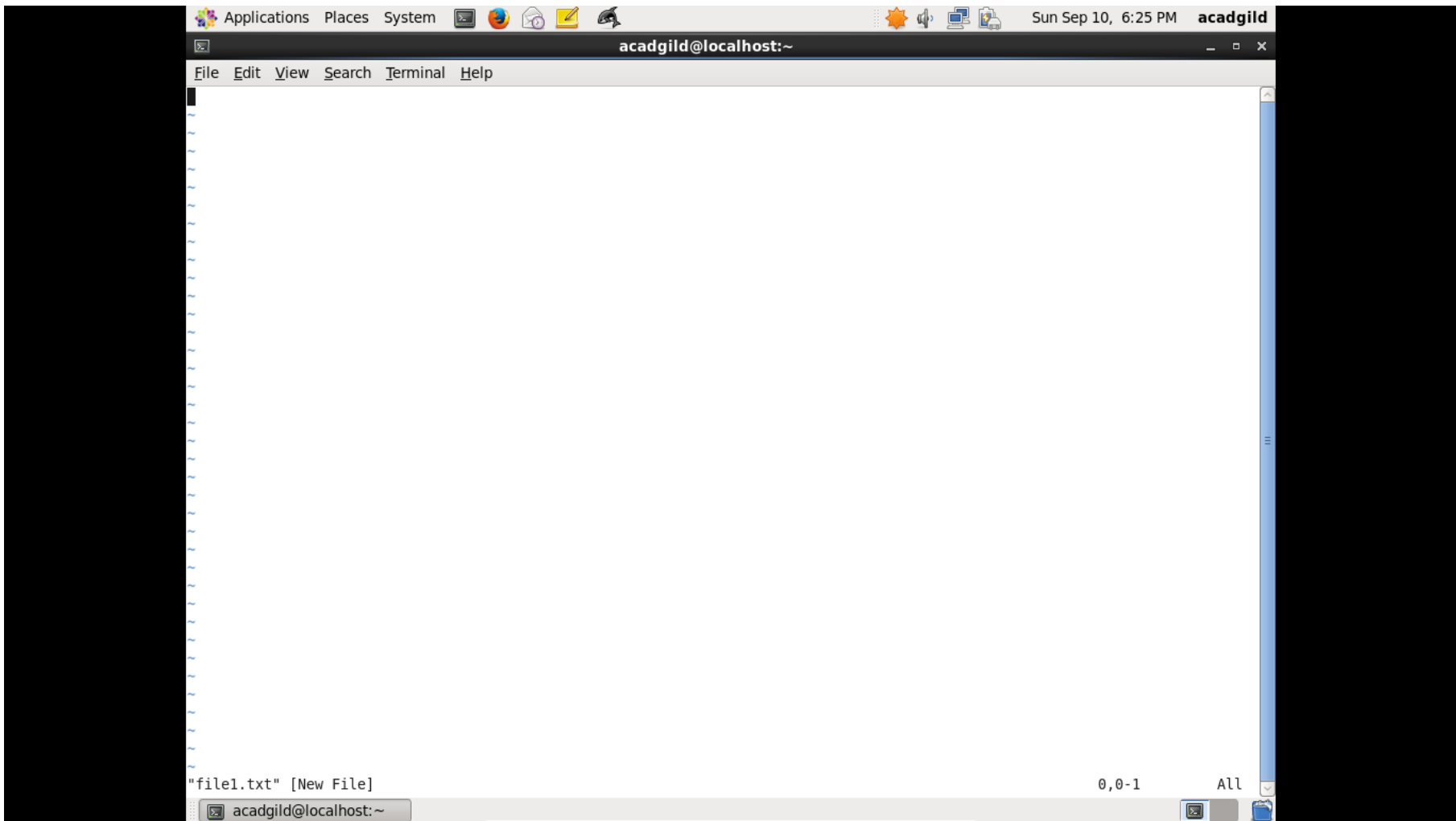

vi- It is screen oriented text editor(Visual Editor) in Unix used to view/create/edit a file.

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-
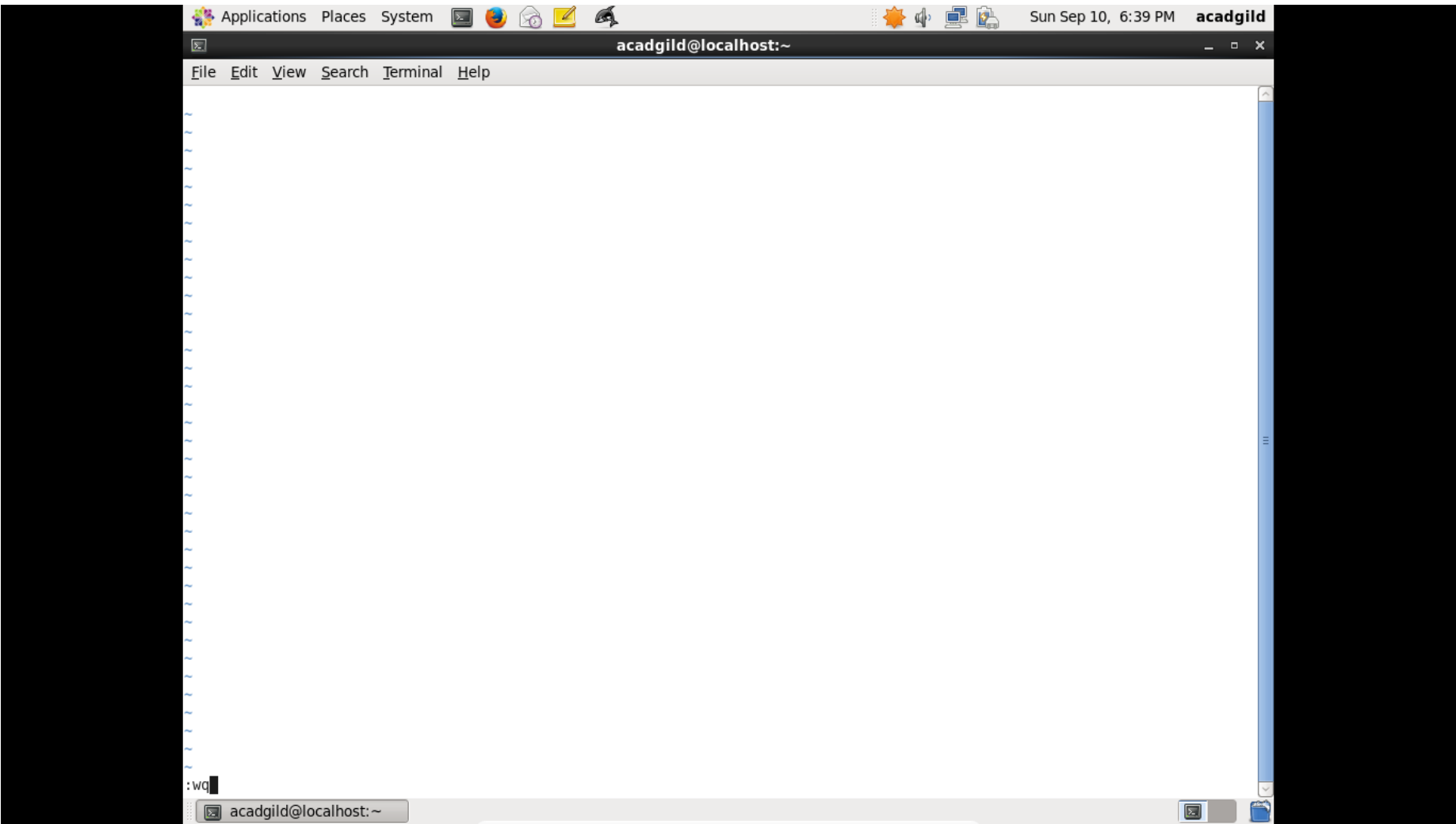

In the above screenshot the file is non-existent and we have typed vi command with file1.txt. It will create a new file **file1.txt** at **/home/adagild** as shown in below screenshot-
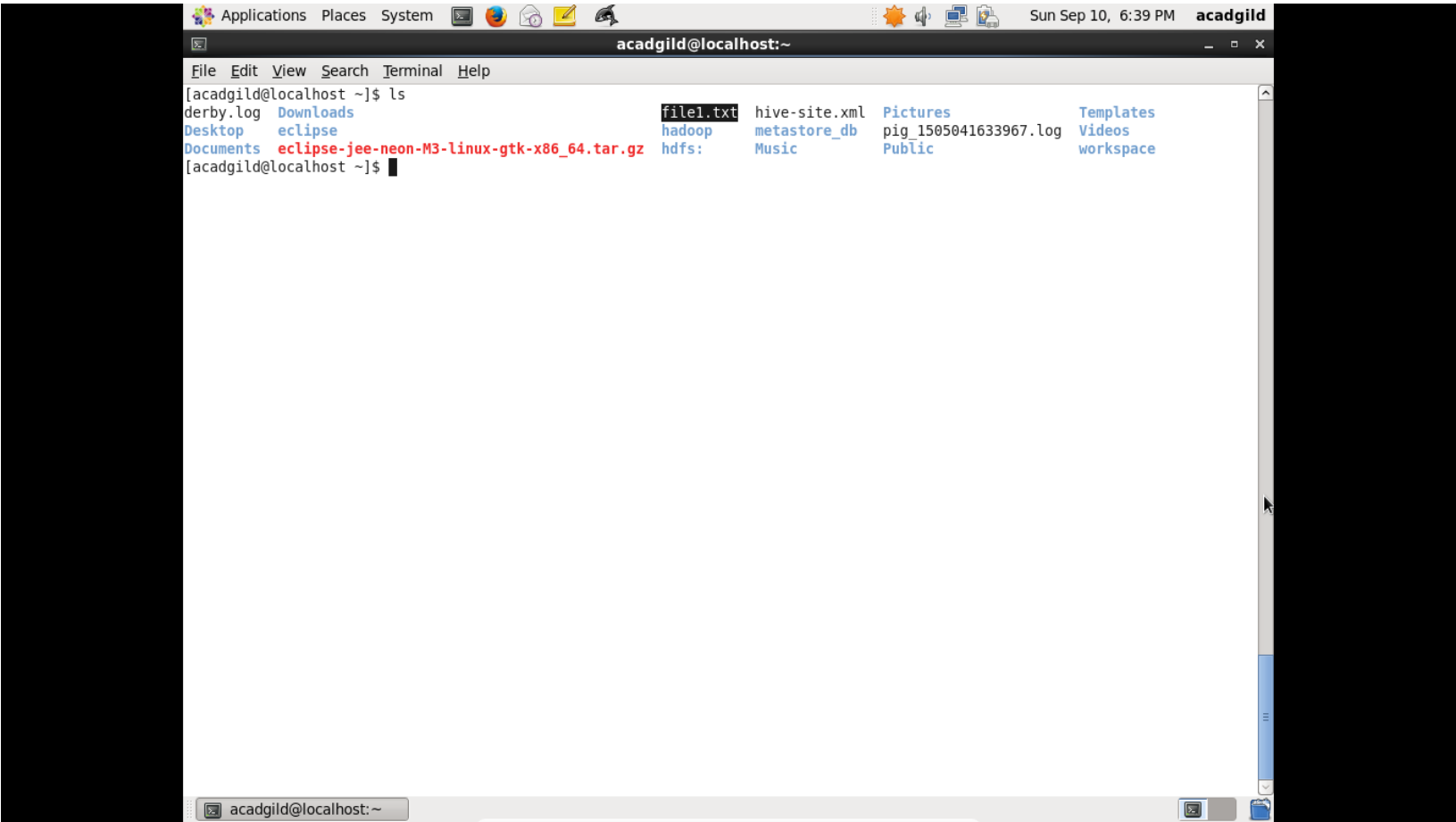

As we can see it is creating a new file.

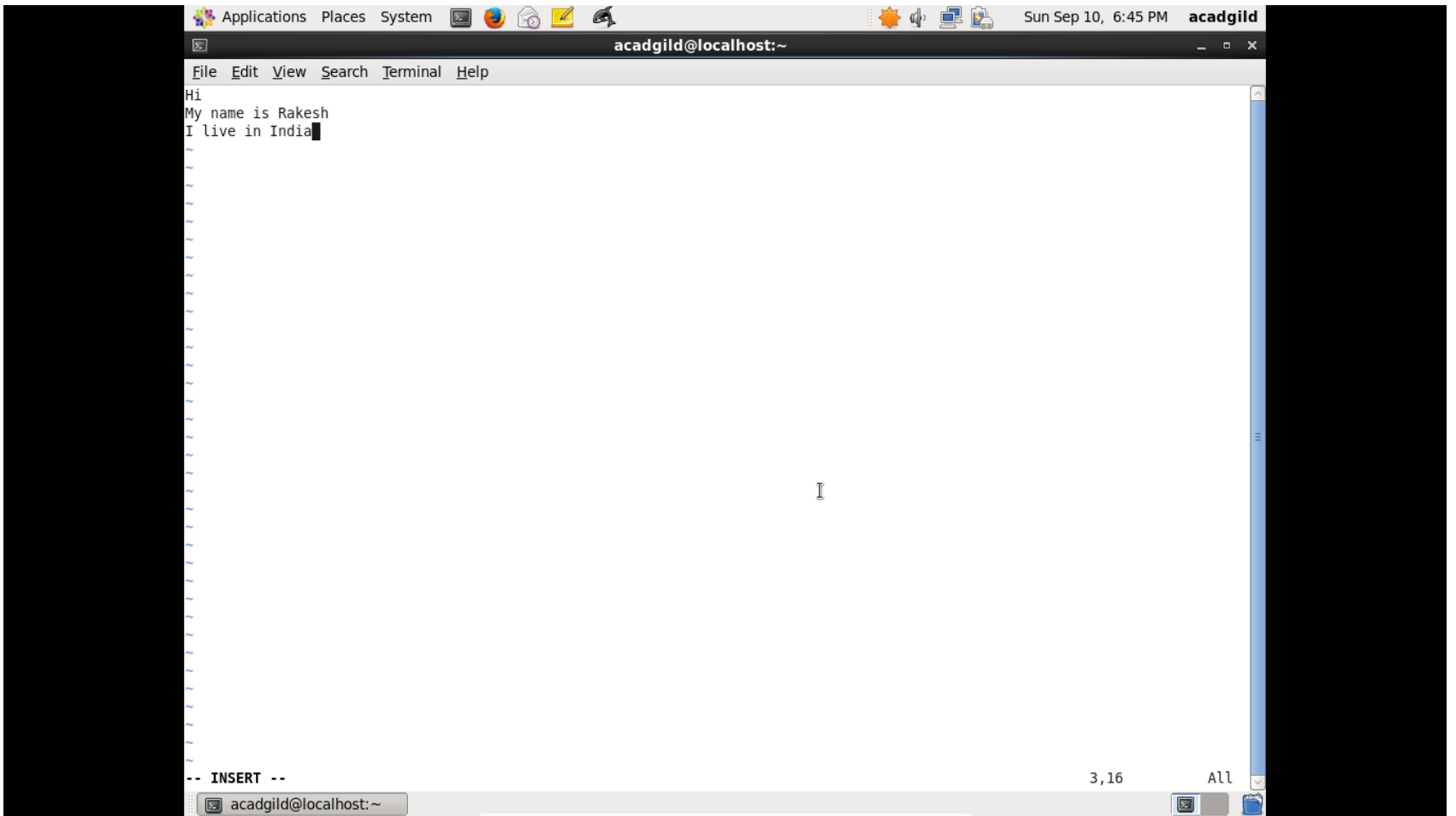To work in vi editor we have 2 modes of operation-

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. <u>Insert Mode-</u> 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.

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

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

TASK-4

File   Edit   View   Search   Terminal   Help

```
  GNU nano 2.0.9                    File: test.txt                        Modif

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

```
^G Get Help    ^O WriteOut    ^R Read File    ^Y Prev Page    ^K Cut Text    ^C Cur Pos
^X Exit        ^J Justify     ^W Where Is     ^V Next  acadgild@localhost:~  xt   ^T To Spell
```

CAT test.txt→

```
drwxr-xr-x.  2 acadgild acadgild 4096 Dec 27  2017 Videos
[acadgild@localhost ~]$ cat test.txty
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

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_0000000000000000333 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_0000000000000000334-0000000000000000334 1 MB (1/1)	100%	
Saving checkpoint	**100%**	**1 sec**