

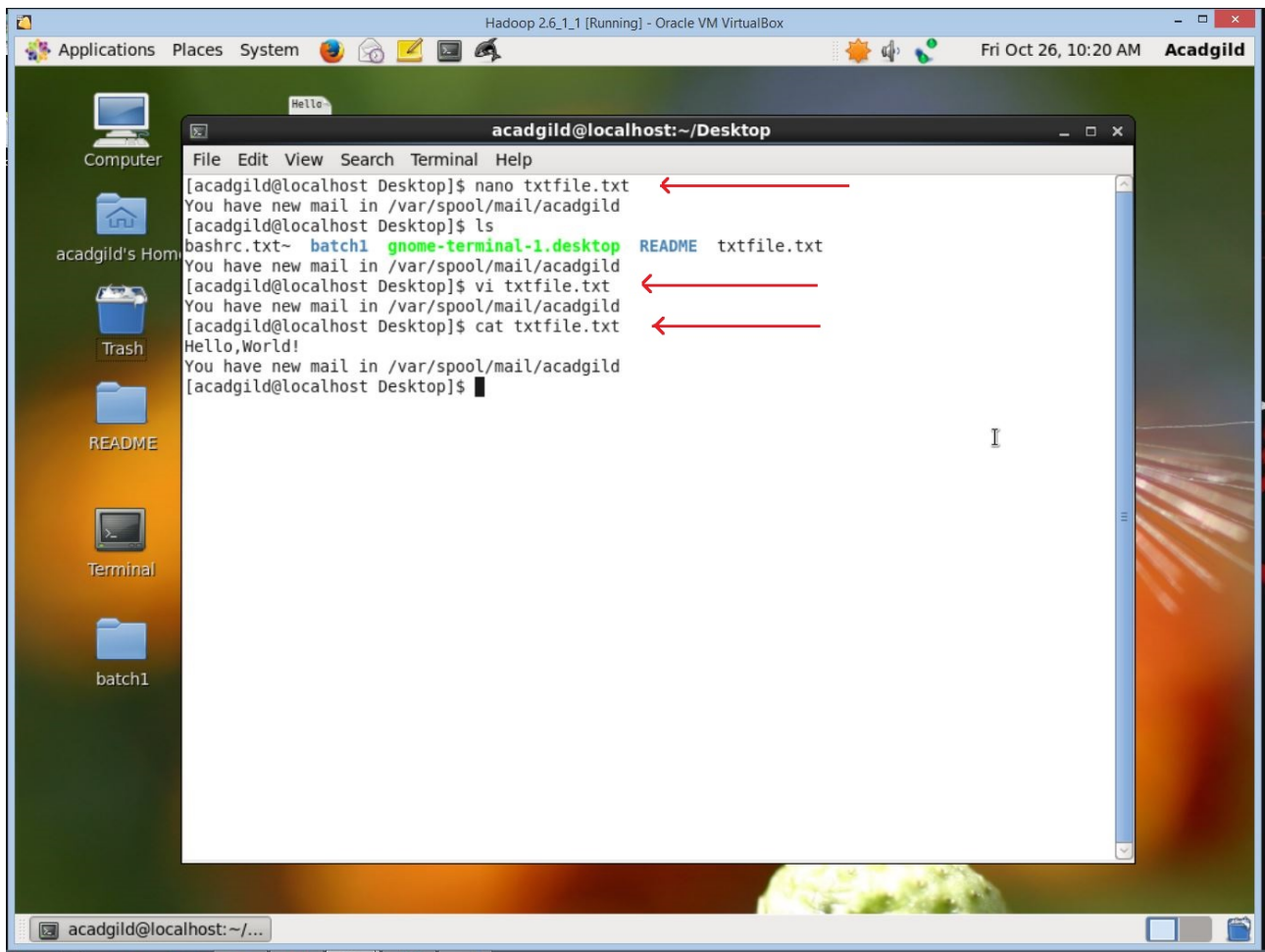
Assignment 1

```
acadgild@localhost: ~/install/hadoop/hadoop-2.6.5/sbin
[acadgild@localhost hadoop-2.6.5]$ ls
bin  etc  include  lib  libexec  LICENSE.txt  logs  NOTICE.txt  README.txt  sbin  share
[acadgild@localhost hadoop-2.6.5]$ cd sbin
[acadgild@localhost sbin]$ ls
distribute-exclude.sh  mr-jobhistory-daemon.sh  start-dfs.sh  stop-dfs.cmd
hadoop-daemon.sh       refresh-namenodes.sh     start-secure-dns.sh  stop-dfs.sh
hadoop-daemons.sh     slaves.sh                start-yarn.cmd       stop-secure-dns.sh
hdfs-config.cmd        start-all.cmd           start-yarn.sh        stop-yarn.cmd
hdfs-config.sh         start-balancer.sh        stop-all.cmd        stop-yarn.sh
https.sh               start-dfs.cmd            stop-balancer.sh     yarn-daemon.sh
kms.sh                 start-dfs.sh             stop-balancer.sh     yarn-daemons.sh
[acadgild@localhost sbin]$ start-all.sh
This script is Deprecated. Instead use start-dfs.sh and start-yarn.sh
18/10/26 09:52:17 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform.
.. using builtin-java classes where applicable
Starting namenodes on [localhost]
localhost: namenode running as process 3149. Stop it first.
localhost: datanode running as process 3282. Stop it first.
Starting secondary namenodes [0.0.0.0]
0.0.0.0: secondarynamenode running as process 3458. Stop it first.
18/10/26 09:52:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform.
.. using builtin-java classes where applicable
starting yarn daemons
resourcemanager running as process 3617. Stop it first.
localhost: nodemanager running as process 3489. Stop it first.
[acadgild@localhost sbin]$ jps
3617 ResourceManager
3458 SecondaryNameNode
3282 DataNode
4380 Jps
3149 NameNode
You have new mail in /var/spool/mail/acadgild
[acadgild@localhost sbin]$ pwd
/home/acadgild/install/hadoop/hadoop-2.6.5/sbin
[acadgild@localhost sbin]$
```

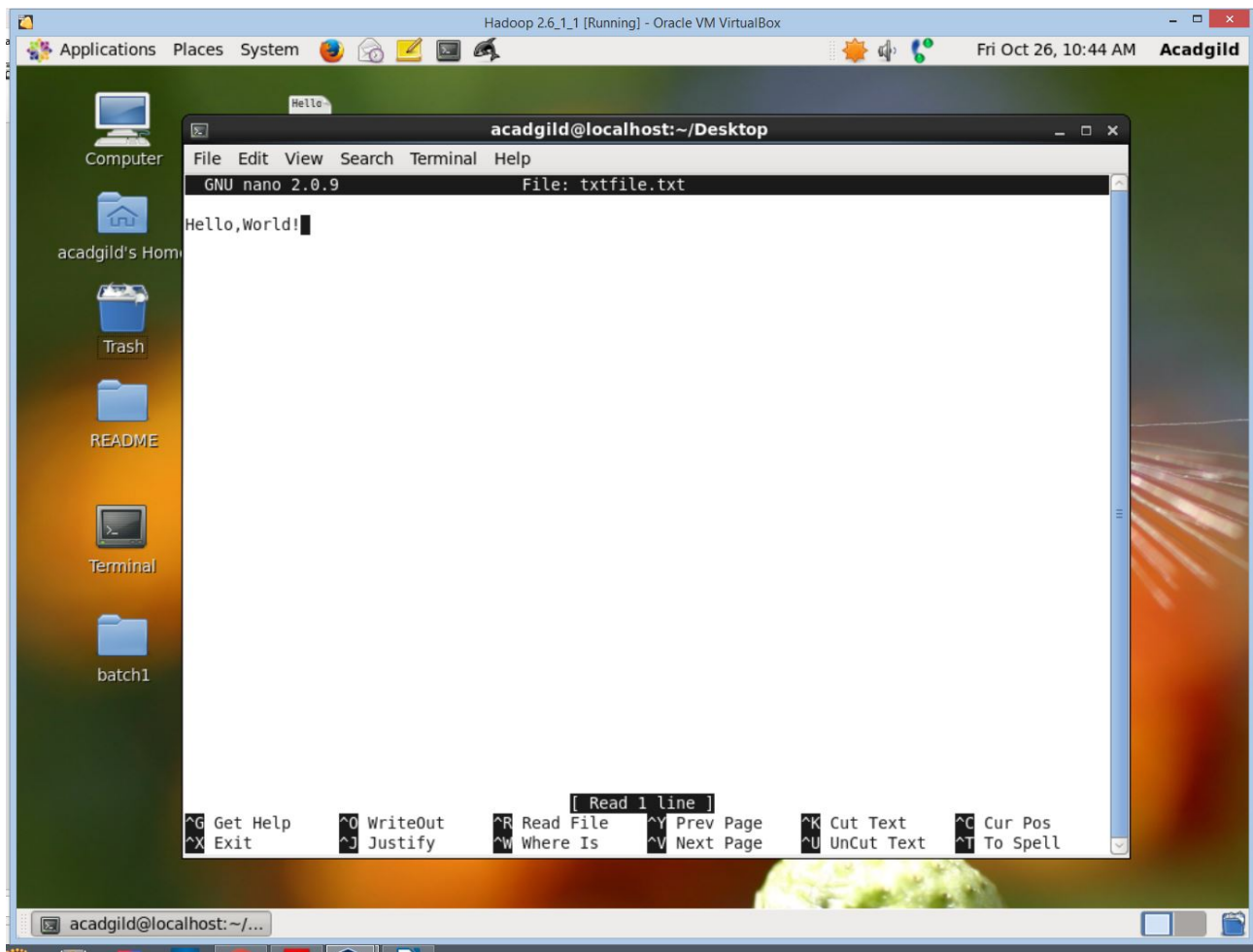
- Opened AcadGild VM and started Hadoop using the command start-all.sh in the folder sbin.
- After starting the Hadoop , I ran jps command to check weather all Hadoop daemons are started successfully or no.
- Pwd is command to check the present working directory.

```
acadmild@localhost: ~/install/hadoop/hadoop-2.6.5/sbin
bash: -ls: command not found
You have new mail in /var/spool/mail/acadmild
[acadmild@localhost sbin]$ ls -ls
bash: ls -ls: command not found
[acadmild@localhost sbin]$ ls -ls
total 120
4 -rwxr-xr-x. 1 acadgild acadgild 2752 Oct 3 2016 distribute-exclude.sh
8 -rwxr-xr-x. 1 acadgild acadgild 6452 Oct 3 2016 hadoop-daemon.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1360 Oct 3 2016 hadoop-daemons.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1640 Oct 3 2016 hdfs-config.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 1427 Oct 3 2016 hdfs-config.sh
4 -rwxr-xr-x. 1 acadgild acadgild 2291 Oct 3 2016 httpfs.sh
4 -rwxr-xr-x. 1 acadgild acadgild 2059 Oct 3 2016 kms.sh
4 -rwxr-xr-x. 1 acadgild acadgild 4080 Oct 3 2016 mr-jobhistory-daemon.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1648 Oct 3 2016 refresh-namenodes.sh
4 -rwxr-xr-x. 1 acadgild acadgild 2145 Oct 3 2016 slaves.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1779 Oct 3 2016 start-all.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 1471 Oct 3 2016 start-all.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1128 Oct 3 2016 start-balancer.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1401 Oct 3 2016 start-dfs.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 3705 Oct 3 2016 start-dfs.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1357 Oct 3 2016 start-secure-dns.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1571 Oct 3 2016 start-yarn.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 1347 Oct 3 2016 start-yarn.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1770 Oct 3 2016 stop-all.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 1462 Oct 3 2016 stop-all.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1179 Oct 3 2016 stop-balancer.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1455 Oct 3 2016 stop-dfs.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 3206 Oct 3 2016 stop-dfs.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1340 Oct 3 2016 stop-secure-dns.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1642 Oct 3 2016 stop-yarn.cmd
4 -rwxr-xr-x. 1 acadgild acadgild 1340 Oct 3 2016 stop-yarn.sh
8 -rwxr-xr-x. 1 acadgild acadgild 4295 Oct 3 2016 yarn-daemon.sh
4 -rwxr-xr-x. 1 acadgild acadgild 1353 Oct 3 2016 yarn-daemons.sh
[acadmild@localhost sbin]$
```

- Ls -ls is command used to list files in long listing format sorted by file sizes



- Nano is a command which we can use to start the nano editor and edit files.
- Vi command is to view the files.
- Cat is a command which concatenates and prints the file.



- This is the nano editor.

Heap Memory used 116.35 MB of 168 MB Heap Memory. Max Heap Memory is 889 MB.
 Non Heap Memory used 37.71 MB of 38.81 MB Committed Non Heap Memory. Max Non Heap Memory is -1 B.

Configured Capacity:	17.11 GB
DFS Used:	200 KB
Non DFS Used:	11.14 GB
DFS Remaining:	5.96 GB
DFS Used%:	0%
DFS Remaining%:	34.87%
Block Pool Used:	200 KB
Block Pool Used%:	0%
DataNodes usages% (Min/Median/Max/stdDev):	0.00% / 0.00% / 0.00% / 0.00%
Live Nodes	1 (Decommissioned: 0)
Dead Nodes	0 (Decommissioned: 0)
Decommissioning Nodes	0
Number of Under-Replicated Blocks	0
Number of Blocks Pending Deletion	0
Block Deletion Start Time	10/26/2018, 9:51:24 AM

- The HDFS web page where we can check the version of hdfs, starting time of hdfs service, capacity and many important information.

Assignment outcome:

This assignment helped me to get started about hadoop and basics of unix commands and how to use them.