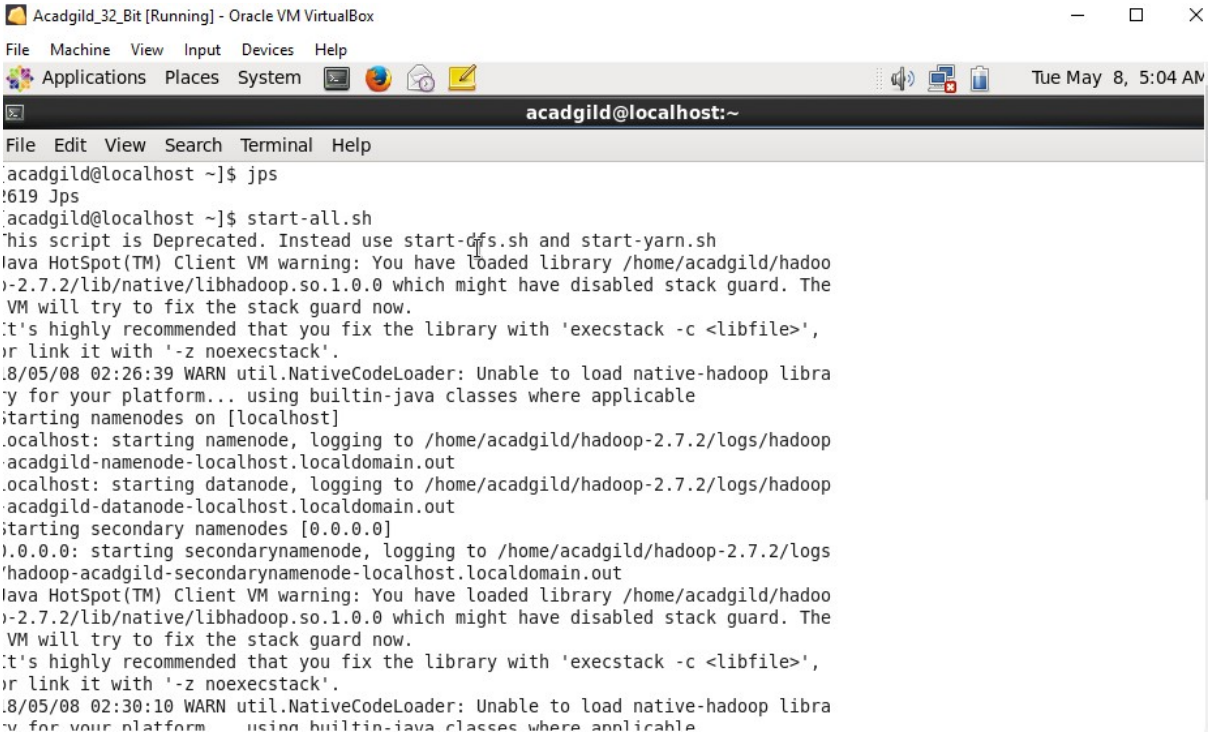
# Session 1: BIG DATA & HADOOP –

# INTRODUCTION & CASE STUDIES

## Assignment 1

1. **Start Hadoop single node on AcadGild VM. The command is start-all.sh.: Below is the screenshot of the output**




2. **Run a JPS command to see if all Hadoop daemons are running. Below is the screenshot of the output**

```
[acadgild@localhost ~]$ jps
5504 NodeManager
5378 ResourceManager
5012 DataNode
6341 Jps
5206 SecondaryNameNode
4903 NameNode
[acadgild@localhost ~]$
```

3. **Run few Unix commands like pwd, ls -ls, etc. Below is the screen shot of the output**

```
[acadgild@localhost ~]$ pwd
/home/acadgild
[acadgild@localhost ~]$ ls
apache-flume-1.6.0-bin          hadoop-2.7.2                pig-0.16.0.tar.gz
apache-flume-1.6.0-bin.tar.gz   hadoop-2.7.2.tar.gz         pig_1470979104717.log
apache-hive-2.1.0-bin           hbase-1.0.3                 pig_1471462105724.log
apache-hive-2.1.0-bin.tar.gz    hbase-1.0.3-bin.tar.gz      Public
derby.log                       jdk1.8.0_101                Softwares
Desktop                         jdk-8u101-linux-i586.tar.gz sqoop-1.4.6.bin__hadoop-2.0.4-alpha
Documents                       metastore_db                sqoop-1.4.6.bin__hadoop-2.0.4-alpha.tar.gz
Downloads                       metastore_db.tmp            Templates
eclipse                         Music                       test.txt
employee.java                   Pictures                    Videos
hadoop                          pig-0.16.0                  workspace
[acadgild@localhost ~]$
```

**4. Create a file from the terminal using nano editor (example: nano test.txt), and add some content in it. Cat it to see if the content is saved.: Below is the screenshot of the output**

```
[acadgild@localhost ~]$ nano test.txt
[acadgild@localhost ~]$ cat test.txt
Assignment have been completed. start-all.sh executed to start services.
jps has been executed to see all Hadoop daemons are running.
test.txt has been created using nano editor.
```

**5)Open the hdfs web page by typing localhost:50070 in the browser. Check all the details of the HDFS. Below is the screenshot of the output**