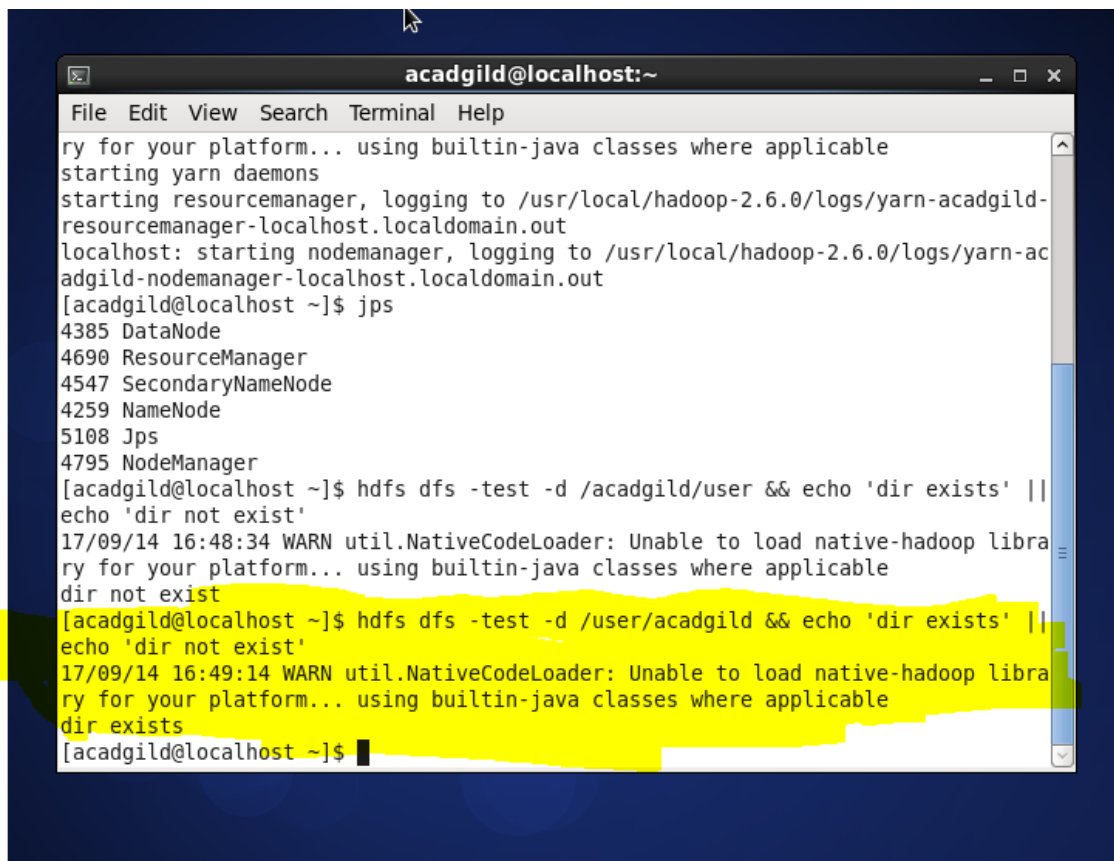


SESSION 2.1 ASSIGNMENT

TASK 1:

Checking for directory



A terminal window titled 'acadgild@localhost:~' showing the execution of Hadoop commands. The window has a menu bar with 'File', 'Edit', 'View', 'Search', 'Terminal', and 'Help'. The output shows the starting of Yarn daemons, ResourceManager, and NodeManager. The 'jps' command lists the running processes: DataNode, ResourceManager, SecondaryNameNode, NameNode, Jps, and NodeManager. Two 'hdfs dfs -test' commands are used to check for the existence of directories. The first command checks for '/acadgild/user' and returns 'dir not exist'. The second command checks for '/user/acadgild' and returns 'dir exists'. Both commands are preceded by a warning message: '17/09/14 16:48:34 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable'. The terminal text is as follows:

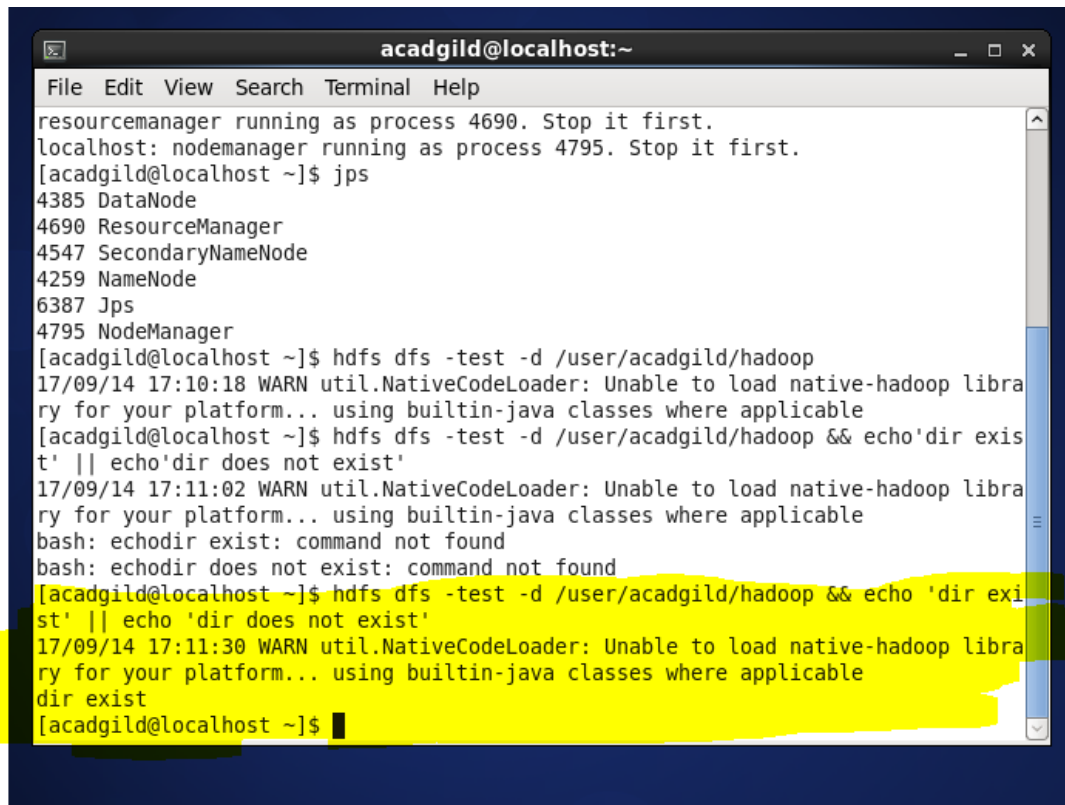
```
acadgild@localhost:~  
File Edit View Search Terminal Help  
ry for your platform... using builtin-java classes where applicable  
starting yarn daemons  
starting resourcemanager, logging to /usr/local/hadoop-2.6.0/logs/yarn-acadgild-  
resourcemanager-localhost.localdomain.out  
localhost: starting nodemanager, logging to /usr/local/hadoop-2.6.0/logs/yarn-ac  
adgild-nodemanager-localhost.localdomain.out  
[acadgild@localhost ~]$ jps  
4385 DataNode  
4690 ResourceManager  
4547 SecondaryNameNode  
4259 NameNode  
5108 Jps  
4795 NodeManager  
[acadgild@localhost ~]$ hdfs dfs -test -d /acadgild/user && echo 'dir exists' ||  
echo 'dir not exist'  
17/09/14 16:48:34 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
dir not exist  
[acadgild@localhost ~]$ hdfs dfs -test -d /user/acadgild && echo 'dir exists' ||  
echo 'dir not exist'  
17/09/14 16:49:14 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
dir exists  
[acadgild@localhost ~]$
```

Creating Hadoop directory

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
17/09/14 16:58:25 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Found 2 items  
drwxr-xr-x - acadgild supergroup 0 2015-11-17 02:03 oozie-acad  
drwxr-xr-x - acadgild supergroup 0 2015-11-17 02:00 share  
[acadgild@localhost ~]$ hdfs dfs /user/acadgild -ls  
/user/acadgild: Unknown command  
[acadgild@localhost ~]$ hdfs dfs -ls /user/acadgild  
17/09/14 16:59:27 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Found 2 items  
drwxr-xr-x - acadgild supergroup 0 2015-11-17 02:03 /user/acadgild/oo  
zie-acad  
drwxr-xr-x - acadgild supergroup 0 2015-11-17 02:00 /user/acadgild/sh  
are  
[acadgild@localhost ~]$ hdfs dfs -ls /user/  
17/09/14 16:59:39 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
Found 3 items  
drwxr-xr-x - acadgild supergroup 0 2015-11-17 02:00 /user/acadgild  
drwxr-xr-x - acadgild supergroup 0 2015-11-05 12:52 /user/hive  
drwxr-xr-x - acadgild supergroup 0 2015-11-08 17:35 /user/prateek  
[acadgild@localhost ~]$ hdfs dfs -mkdir /user/acadgild/hadoop  
17/09/14 17:00:39 WARN util.NativeCodeLoader: Unable to load native-hadoop libra
```

TASK 2:

Creating file wordcount.txt

A terminal window titled 'acadgild@localhost:~' with a menu bar (File, Edit, View, Search, Terminal, Help). The terminal shows the output of 'jps' listing Hadoop processes: DataNode (4385), ResourceManager (4690), SecondaryNameNode (4547), NameNode (4259), Jps (6387), and NodeManager (4795). It then shows 'hdfs dfs -test -d /user/acadgild/hadoop' outputting a warning and 'true'. Subsequent attempts to use 'echodir' fail with 'command not found'. The final command 'hdfs dfs -test -d /user/acadgild/hadoop && echo 'dir exist' || echo 'dir does not exist'' outputs the warning and 'dir exist'.

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
resourcemanager running as process 4690. Stop it first.  
localhost: nodemanager running as process 4795. Stop it first.  
[acadgild@localhost ~]$ jps  
4385 DataNode  
4690 ResourceManager  
4547 SecondaryNameNode  
4259 NameNode  
6387 Jps  
4795 NodeManager  
[acadgild@localhost ~]$ hdfs dfs -test -d /user/acadgild/hadoop  
17/09/14 17:10:18 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ hdfs dfs -test -d /user/acadgild/hadoop && echo 'dir exist' || echo 'dir does not exist'  
17/09/14 17:11:02 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
bash: echodir exist: command not found  
bash: echodir does not exist: command not found  
[acadgild@localhost ~]$ hdfs dfs -test -d /user/acadgild/hadoop && echo 'dir exist' || echo 'dir does not exist'  
17/09/14 17:11:30 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable  
dir exist  
[acadgild@localhost ~]$
```

Appending Hello world to it

```
acadgild@localhost:~  
File Edit View Search Terminal Help  
[acadgild@localhost ~]$ hdfs dfs -touchz /user/acadgild/hadoop/wordcount.txt  
17/09/14 17:39:31 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ echo "hello world" | hadoop fs -appendToFile /user/acadg  
ild/hadoop/wordcount.txt  
  
appendToFile: missing destination argument  
[acadgild@localhost ~]$  
[acadgild@localhost ~]$ echo "hello world" | hadoop fs -appendToFile - /user/aca  
dgild/hadoop/wordcount.txt  
17/09/14 17:41:09 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
[acadgild@localhost ~]$ hdfs dfs -cat /user/acadgild/hadoop/wordcount.txt  
17/09/14 17:41:53 WARN util.NativeCodeLoader: Unable to load native-hadoop libra  
ry for your platform... using builtin-java classes where applicable  
hello world  
[acadgild@localhost ~]$
```