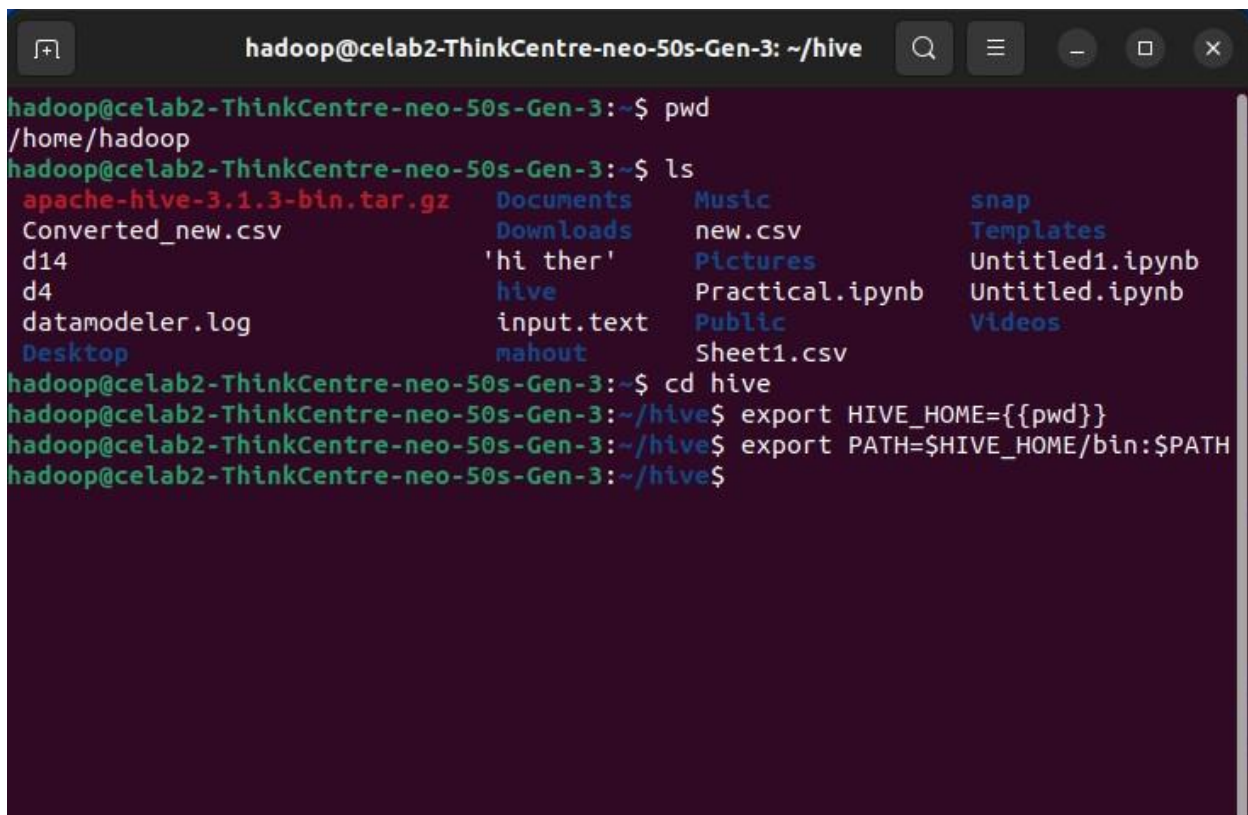


LAB-9

CE004

20CEUOD004

AIM: SQL Crud Operations (Hive)/ Distributed Databases (HBase)

A terminal window titled 'hadoop@celab2-ThinkCentre-neo-50s-Gen-3: ~/hive'. The window shows a series of commands and their outputs. The user runs 'pwd' and gets '/home/hadoop'. Then they run 'ls' and see a list of files and directories including 'apache-hive-3.1.3-bin.tar.gz', 'Converted_new.csv', 'd14', 'd4', 'datamodeler.log', 'Desktop', 'Documents', 'Downloads', 'hi ther', 'hive', 'input.text', 'mahout', 'Music', 'new.csv', 'Pictures', 'Practical.ipynb', 'Public', 'Sheet1.csv', 'snap', 'Templates', 'Untitled1.ipynb', 'Untitled.ipynb', and 'Videos'. Next, they run 'cd hive' and change to the '~/hive' directory. Finally, they run two 'export' commands: 'export HIVE_HOME={{pwd}}' and 'export PATH=\$HIVE_HOME/bin:\$PATH'.

```
hadoop@celab2-ThinkCentre-neo-50s-Gen-3: ~/hive
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~$ pwd
/home/hadoop
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~$ ls
apache-hive-3.1.3-bin.tar.gz  Documents      Music          snap
Converted_new.csv           Downloads     new.csv        Templates
d14                          'hi ther'     Pictures       Untitled1.ipynb
d4                           hive          Practical.ipynb  Untitled.ipynb
datamodeler.log             input.text    Public         Videos
Desktop                     mahout        Sheet1.csv
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~$ cd hive
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$ export HIVE_HOME={{pwd}}
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$ export PATH=$HIVE_HOME/bin:$PATH
hadoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$
```

```
adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$ $HADOOP_HOME/bin/hadoop fs -mkdir /tmp
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
022-10-04 11:44:14,025 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
mkdir: Call From celab2-ThinkCentre-neo-50s-Gen-3/127.0.1.1 to localhost:9000 failed on connection exception: java.net.ConnectException: Connection refused; For more details see: http://wiki.apache.org/hadoop/ConnectionRefused
adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$ start-dfs.sh
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
starting namenodes on [localhost]
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
starting datanodes
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
starting secondary namenodes [localhost]
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
022-10-04 11:44:52,809 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$ $HADOOP_HOME/bin/hadoop fs -mkdir /tmp
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
022-10-04 11:48:48,918 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
adoop@celab2-ThinkCentre-neo-50s-Gen-3:~/hive$
```

```
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/$ cd opt
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt$ cd opt/hadoop
ash: cd: opt/hadoop: No such file or directory
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt$ cd /opt/hadoop
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ cp /home/hadoop/hive
cp: missing destination file operand after '/home/hadoop/hive'
Try 'cp --help' for more information.
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ cp /home/hadoop/hive /opt/hadoop
cp: -r not specified; omitting directory '/home/hadoop/hive'
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ cp -r /home/hadoop/hive /opt/hadoop
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ pwd
/opt/hadoop
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ ls
bin  etc  include  libexec  licenses-binary  logs  NOTICE-binary  readme.txt  sbin
ata  hive  lib  LICENSE-binary  LICENSE.txt  name  NOTICE.txt  README.txt  share
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ cd hive
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ ls
bin  binary-package-licenses  conf  examples  hcatalog  jdbc  lib  LICENSE  NOTICE  RELEASE_NOTES.txt  scripts
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$
```

```

adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop$ cd hive
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ ls
in  binary-package-licenses  conf  examples  hcatalog  jdbc  lib  LICENSE  NOTICE  RELEASE_NOTES.txt  scripts
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ export HIVE_HOME={{pwd}}
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ export PATH=$HIVE_HOME/bin:$PATH
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ export HADOOP_HOME=/opt/hadoop
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ $HADOOP_HOME/bin/hadoop fs -mkdir /tmp
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
022-10-04 11:57:16,203 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
kdir: '/tmp': File exists
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ HADOOP_HOME/bin/hadoop fs -mkdir /user/hive/warehouse
ash: HADOOP_HOME/bin/hadoop: No such file or directory
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ HADOOP_HOME/bin/hadoop fs -mkdir /opt/hadoop/hive/warehouse
ash: HADOOP_HOME/bin/hadoop: No such file or directory
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ $HADOOP_HOME/bin/hadoop fs -mkdir /opt/hadoop/hive/warehouse
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
022-10-04 11:58:59,521 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
kdir: 'hdfs://localhost:9000/opt/hadoop/hive': No such file or directory
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ $HADOOP_HOME/bin/hadoop fs -mkdir /user/hive/warehouse
WARNING: HADOOP_PREFIX has been replaced by HADOOP_HOME. Using value of HADOOP_PREFIX.
022-10-04 11:59:19,435 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
kdir: 'hdfs://localhost:9000/user/hive': No such file or directory
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ pwd
opt/hadoop/hive
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ ls
in  binary-package-licenses  conf  examples  hcatalog  jdbc  lib  LICENSE  NOTICE  RELEASE_NOTES.txt  scripts
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ cd bin
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive/bin$ ls
eeline  ext  hive  hive-config.sh  hiveserver2  hplsql  init-hive-dfs.sh  metatool  schematool
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive/bin$
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive/bin$ cd ..
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$ ls
in  binary-package-licenses  conf  examples  hcatalog  jdbc  lib  LICENSE  NOTICE  RELEASE_NOTES.txt  scripts
adoop@celab2-ThinkCentre-neo-50s-Gen-3:/opt/hadoop/hive$

```


Q Search saved documents...

Unknown error occurred

MySQL

Databases

Error loading databases.

Hive

bda lab 09

Statement 2/2

No tables identified.

1

2

3 movieid INT,

4 rating INT,

5 unixtime STRING)

6 ROW FORMAT DELIMITED

7 FIELDS TERMINATED BY '\t'

8 STORED AS TEXTFILE;

9 INSERT INTO datab values(1,2,3,'abc');

Q Search saved documents...

1

2

3 STD_ID INT,

4 STD_NAME STRING,

5 AGE INT,

6 ADDRESS STRING

7)

8 CLUSTERED BY (ADDRESS) into 3 buckets

9 ROW FORMAT DELIMITED

10 FIELDS TERMINATED BY ','

11 STORED as orc tblproperties('transactional'='true');

Tables

No tables identified.

Query Analysis

No optimizations identified.

Q Search saved documents...

```
1 CREATE TABLE STUDENT
2 (
3   STD_ID INT,
4   STD_NAME STRING,
5   AGE INT,
6   ADDRESS STRING
7 )
8 CLUSTERED BY (ADDRESS) into 3 buckets
9 ROW FORMAT DELIMITED
10 FIELDS TERMINATED BY ','
11 STORED as orc tblproperties('transactional'='true');
12
13
14
15 INSERT INTO TABLE STUDENT VALUES (101,'JAVACHAIN',30,'PAUL REVERE RD'),
16
17
18
19 SELECT * FROM STUDENT;
20
21
22 update STUDENT SET std_id = 110 WHERE std_id = 105;
23
24
25 DELETE FROM STUDENT
26 >| where std_id=105;
```

▶ Execute

5000

⋮ More ▼