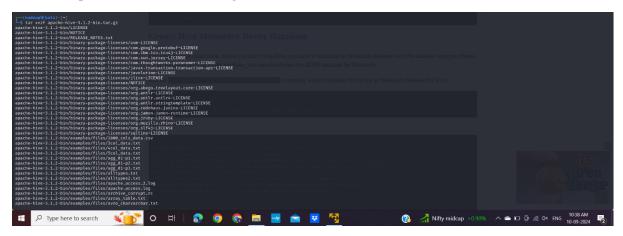
EXP NO: 5

INSTALLATION OF HIVE

\$wget https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz



\$tar xvzf apache-hive-3.1.2-bin.tar.gz



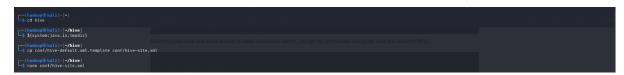
\$mv apache-hive-3.1.2-bin hive

\$nano ~/.bashrc

\$source ~/.bashrc

\$cd hive

\$cp conf/hive-default.xml.template conf/hive-site.xml



\$nano conf/hive-site.xml

\$start-all.sh

```
hadoop@kali-

File Actions Edit View Help

(hadoop@kali)-[~]
$ start-all.sh

WARNING: Attempting to start all Apache Hadoop daemons as hadoop in 10 seconds.

WARNING: This is not a recommended production deployment configuration.

WARNING: Use CTRL-C to abort.

Starting namenodes on [localhost]

Starting datanodes

Starting secondary namenodes [kali]

Picked up_JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true

2024-09-11 04:59:16,429 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable Starting nodemanagers
```

\$ jps

\$hdfs dfs -mkdir /user

\$hdfs dfs -mkdir /user/hive

\$hdfs dfs -mkdir /user/hive/warehouse

\$hdfs dfs -mkdir /user/tmp

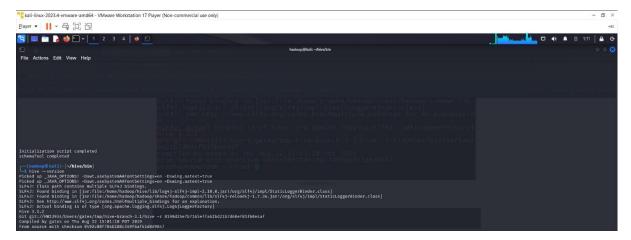
\$hdfs dfs -chmod g+w /user/tmp

\$hdfs dfs -chmod g+w /user/hive/warehouse

\$cd \$HIVE_HOME/bin

\$schematool -initSchema -dbType derby





\$hive

>show databases;



> CREATE DATABASE financials;

```
hive> CREATE DATABASE financials;
OK
Time taken: 0.591 seconds
```

> use financials;

```
hive> use financials;
OK
Time taken: 0.229 seconds
```

> CREATE TABLE finance_table(id INT, name STRING);

```
hive> CREATE TABLE finance_table( id INT, name STRING );
OK
Time taken: 2.536 seconds
```

> INSERT INTO finance_tableVALUES (1, 'Alice'), (2, 'Bob'), (3, 'Charlie');

```
hive INSERT INTO finance_table VALUES (1, 'Alice'), (2, 'Bob'), (3, 'Charlie');
Query ID - hadoop_20240910011318_759e97f4-dbcc-4020-a345-37b6aac0dbbf
Total jobs - 3
Launching Job 1 out of 3
Number of reduce tasks determined at compile time: 1
In order to change the average load for a reducer (in bytes):
set hive_keac. reducers, bytes_per_reducer<number>
In order to limit the maximum number of reducers:
set hive_keac. reducers_max<number
set hive_keac. reducers_max<number
set hive_keac. reducers_max<number
In order to set a constant number of reducers:
set mapreduce_job_reduce_sor_max_near
set mapreduce_job_reduce_sor_max_near
In order to set a constant number of reducers:
set mapreduce_job_reduce_sor_max_near
Starting_Job - job_1725938931910_8001, Tracking_URL - http://kali:8088/proxy/application_1725938931910_8001/
Kill Command - /home/hadoop/hadoop/bin/mapred_job - kill job_1725938931910_8001

Kall Command - /home/hadoop/hadoop/hadoop/bin/mapred_job - kill job_1725938931910_8001

Kall Command - /home/hadoop/hadoop/hadoop/hadoop/bin/mapred_job - kill job_1725938931910_8001

Kall Command - /home/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/hadoop/had
```

> CREATE VIEW myview AS SELECT name, id FROM finance_table;

```
hive> CREATE VIEW myview AS SELECT name, id FROM finance_table;
OK
Time taken: 0.82 seconds
```

> SELECT * FROM myview;

```
hive> SELECT * FROM myview;

OK
Alice 1
Bob 2
Charlie 3
Time taken: 0.716 seconds, Fetched: 3 row(s)
hive>
```

> DESCRIBE finance table;

```
hive> DESCRIBE finance_table;
OK
id int
name string
Time taken: 0.348 seconds, Fetched: 2 row(s)
```

> ALTER TABLE finance table ADD COLUMNS (age INT);

>quit;

```
hive> ALTER TABLE finance_table ADD COLUMNS (age INT);
OK
Time taken: 0.457 seconds
hive> quit;
```