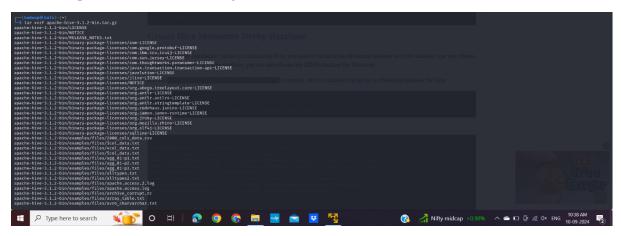
#### EXP NO: 5

### **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



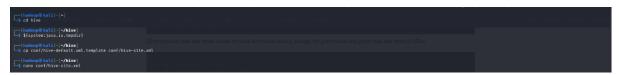
\$mv apache-hive-3.1.2-bin hive

\$nano ~/.bashrc

\$source ~/.bashrc

\$cd hive

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



\$nano conf/hive-site.xml

#### **\$start-all.sh**

# \$ 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 - Journ of 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.exec.reducers.bytes.per.reducer=<number>
In order to limit the maximum number of reducers:
set hive.exec.reducers.max=<number
set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
set mapreduce.job.reduce/secs-number>
In order to set a constant number of reducers:
set mapreduce.job.reduce/sob.reduces-on-unders
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
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2024-09-10 01:14:33,475 stage-1 map = 0%, reduce - 0%, Cumulative CPU 20.45 sec
2024-09-10 01:15:17,392 Stage-1 map = 100%, reduce - 0%, Cumulative CPU 33.61 sec
MapReduce Total cumulative CPU time: 33 seconds 610 msec
Ended Job = job_1725938931910_8001
Stage-4 is selected by condition resolver.
Stage-3 is filtered out by c
```

# > 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;
```