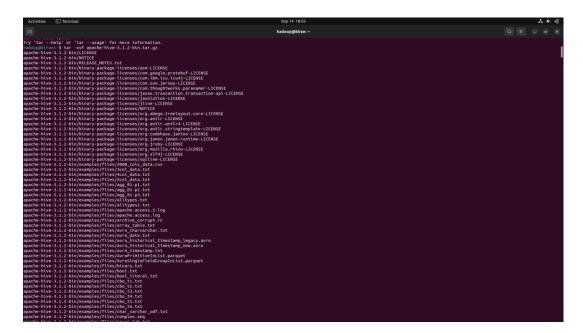
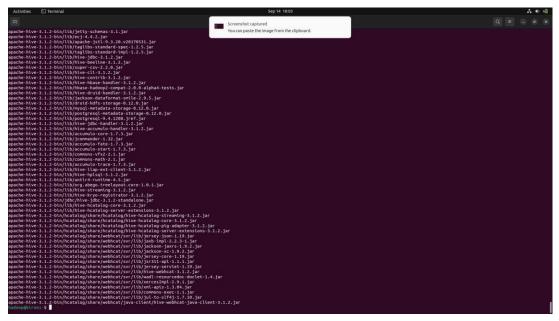
Exp. No: 5

HIVE Installation

1. Download and Extract apache hive 3.1.2

```
haddoop@kiran:- S wget https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz
--2024-09-14 38:01:33:- https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz
Resolving archive.apache.org (archive.apache.org).dist/hive/hive-3.1.2-bin.tar.gz
Resolving archive.apache.org (archive.apache.org).dist.disp.2024-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-189.204-18
```





2. Update HIVE Configurations in .bashrc

3. Change directory to apache-hive-3.1.2-bin/conf

```
hadoop@kiran:~$ mv apache-hive-3.1.2-bin hive
hadoop@kiran:~$ cd hive
hadoop@kiran:~/hive$ cp conf/hive-default.xml.template conf/hive-site.xml
hadoop@kiran:~/hive$ nano conf/hive-site.xml
hadoop@kiran:~/hive$ hdfs dfs -mkdir /user
mkdir: Call From kiran/127.0.1.1 to localhost:9000 failed on connection exception:
```

4. start-all.sh

```
hadoop@kiran:~/hive$ 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 [kiran]
Starting resourcemanager
Starting nodemanagers
```

5. \$HIVE_HOME/bin

```
hadoop@kiran:-/hive/Sic Sthematool -initSchema -dbType derby
SLF41: Class path contains multiple SLF41 bindings.
SLF41: Class path contains multiple SLF41 bindings.
SLF43: Found binding in [jar:file:/home/hadoop/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF41: Found binding in [jar:file:/home/hadoop/share/hadoop/compon/lib/slf4j-reload4j-1.7.36.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF41: See http://www.slf4j.org/codes.html#multiple_bindings for an explanatory
SLF41: Actual binding is of type [org.apache.logging.slf4j.log4jLoggerFactory]
Metastore connection URL: jdbc:derby:;databaseName=metastore_db;create=true
Metastore Connection Driver: org.apache.derby.jdbc.EmbeddedDriver
Metastore connection User:
MPP
Starting metastore schema initialization to 3.1.0
Initialization script hive-schema-3.1.0.derby.sql
```

6. \$hive

```
Initialization script completed
schemaTool completed
schemaTool completed
hadoopgkiran:-/hive/bius hive
SEF43: Class path contains multiple SEF43 bindings.
SEF43: Class path contains multiple SEF43 bindings.
SEF43: Found binding in [jar:ftle:/hone/hadoop/hive/lib/log4j-sIf4j-impl-2.10.0.jar!/org/sIf4j/impl/StaticLoggerBinder.class]
SEF43: See hittp://www.sIf4j-org/codes.hintsfmultiple bindings for an explanation.
SEF43: See hittp://www.sIf4j-org/codes.hintsfmultiple bindings for an explanation.
SEF43: Actual binding is of type [org.apache.logging.sIf4j.Log4jLoggerFactory]
Hive Session ID = ce154077-c394-4a08-BaS5-occadioe629

Logging initialized using configuration in jar:ftle:/hone/hadoop/hive/lib/hive-common-3.1.2.jar!/hive-log4j2.properties Async: true
Hive Session ID = 412391fe-6340-4oc5-865a-ba1d06627480
Hive-on-NR is deprecated in Hive 2 and May not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.
hive-on-NR is deprecated in Hive 2 and May not be available in the future versions. Consider using a different execution engine (i.e. spark, tez) or using Hive 1.X releases.
```

7. SQL commands

```
hive> CREATE VIEW myview AS SELECT name, id FROM finance_table;
OK
Time taken: 0.498 seconds
hive> SELECT * FROM myview;
OK
Alice 1
Bob 2
Charlie 3
Time taken: 0.495 seconds, Fetched: 3 row(s)
hive>
```

```
hive> DESCRIBE finance_table;

OK

id int

name string

Time taken: 0.169 seconds, Fetched: 2 row(s)

hive> ALTER TABLE finance_table ADD COLUMNS (age INT);

OK

Time taken: 0.338 seconds

hive>
```

```
hive> quit;

NoviableAltException(24@[])

at org.apache.hadoop.hive.ql.parse.HiveParser.statement(HiveParser.java:1387)

at org.apache.hadoop.hive.ql.parse.ParseDriver.parse(ParseDriver.java:220)

at org.apache.hadoop.hive.ql.parse.ParseUtils.parse(ParseUtils.java:74)

at org.apache.hadoop.hive.ql.parse.ParseUtils.parse(ParseUtils.java:67)

at org.apache.hadoop.hive.ql.Driver.compileOriver.java:166)

at org.apache.hadoop.hive.ql.Driver.compileInternal(Driver.java:1826)

at org.apache.hadoop.hive.ql.Driver.compileAndRespond(Oriver.java:1773)

at org.apache.hadoop.hive.ql.Driver.compileAndRespond(Oriver.java:1788)

at org.apache.hadoop.hive.ql.reexec.ReExecDriver.compileAndRespond(ReExecDriver.java:126)

at org.apache.hadoop.hive.ql.reexec.ReExecDriver.compileAndRespond(ReExecDriver.java:128)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:239)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:188)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:188)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:821)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:821)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:821)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:821)

at org.apache.hadoop.hive.cli.ClIDriver.processLocalCmd(ClIDriver.java:821)

at sun.reflect.NativeMethodAccessorImpl.invoke(Native Method)

at sun.reflect.NativeMethodAccessorImpl.invoke(Native Method)

at sun.reflect.NativeMethodAccessorImpl.invoke(Native Method)

at java.lang.reflect.Method.invoke(Method.java:498)

at org.apache.hadoop.util.RunJar.run(RunJar.java:228)

at org.apache.hadoop.util.RunJar.run(RunJar.java:241)

FAILED: Parseexception line 1:0 cannot recognize input near 'quit' 'quit' '<EOF>'

hive> quit;
```