Ex no: 5

Create tables in Hive and write queries to access the data in the table

Aim:

To create tables in Hive and write queries to access the data in the table.

Procedure:

1. Install Apache Derby version 10.14.2.0.
2. Install Apache Hive version 3.1.2.
3. Set up environment variables for Hive and Derby.
4. Copy all the jar files in the "db-derby-10.14.2.0-bin\lib" folder and paste it in the Hive libraries directory "apache-hive-3.1.3-bin\lib".
5. Start Hadoop services
6. Run the command "StartNetworkServer -h 0.0.0.0" in a new command window to start Derby.
7. To start Hive run the following command "hive --service schematool -dbType derby -initSchema"
8. After this open the Hive shell by typing the command "hive".
9. To create a new database type the command "CREATE DATABASE sample;".
10. To verify if the database has been create type the command "SHOW DATABASES;".
11. To use the database type "USE sample;"
12. Now, create a table in the database using the command "CREATE TABLE students (name STRING, roll INT, dept STRING);"
13. To add data to the table from a csv file in your local device to the hive database use the command "LOAD DATA LOCAL INPATH 'C:\EX_5_Hive\students.csv' INTO students;".
14. Type the command "SHOW TABLES;" to display the tables in the currently using database.
15. To display the table's description type the command "DESC students;".
16. To display all the data in the table, type the command "SELECT * FROM students;"

Output Screenshots:

DERBY_HOME	C:\db-derby-10.14.2.0-bin
HADOOP_HOME	C:\hadoop-3.3.6
HIVE_BIN	%HIVE_HOME%\bin
HIVE_HOME	C:\apache-hive-3.1.3-bin
HIVE_LIB	%HIVE_HOME%\lib
JAVA_HOME	C:\Program Files\Java\jdk1.8.0_202\bin

```
%HIVE_BIN%
%DERBY_HOME%\bin
```

Window 1: db-derby-10.14.2.0-bin > lib

This PC > Windows (C:) > db-derby-10.14.2.0-bin > lib   Search lib

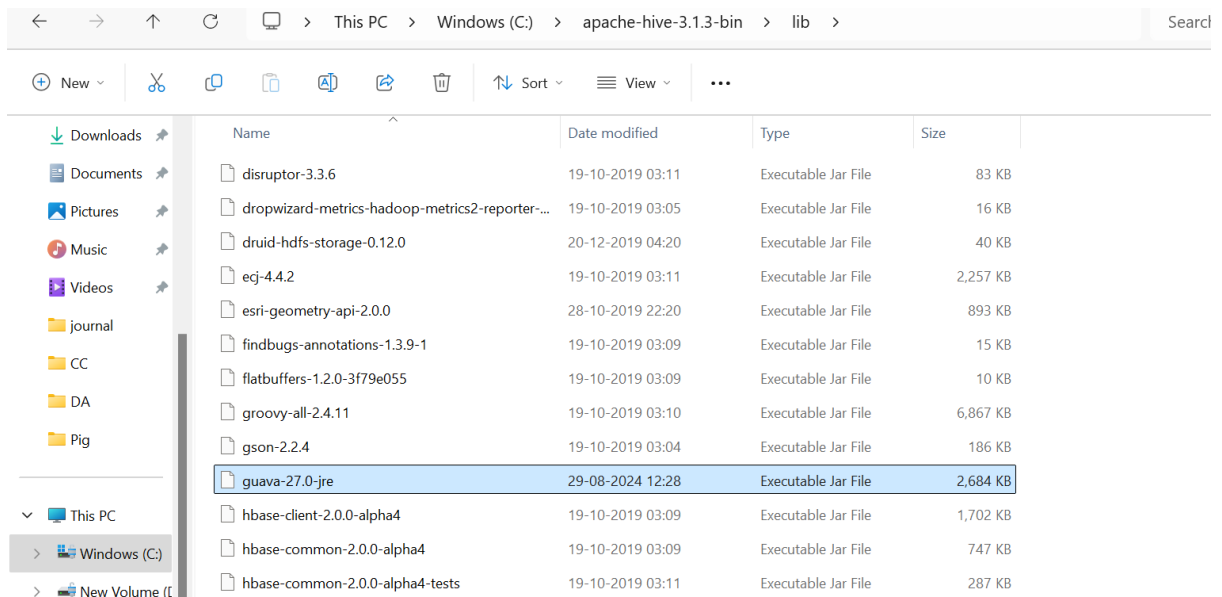| Name	Date modified	Type	Size
derby	07-04-2018 06:40	Executable Jar File	3,158 KB
derby.war	07-04-2018 06:40	WAR File	2 KB
derbyclient	07-04-2018 06:40	Executable Jar File	575 KB
derbyLocale_cs	07-04-2018 06:40	Executable Jar File	93 KB
derbyLocale_de_DE	07-04-2018 06:40	Executable Jar File	110 KB
derbyLocale_es	07-04-2018 06:40	Executable Jar File	104 KB
derbyLocale_fr	07-04-2018 06:40	Executable Jar File	110 KB
derbyLocale_hu	07-04-2018 06:40	Executable Jar File	94 KB
derbyLocale_it	07-04-2018 06:40	Executable Jar File	104 KB
derbyLocale_ja_JP	07-04-2018 06:40	Executable Jar File	121 KB
derbyLocale_ko_KR	07-04-2018 06:40	Executable Jar File	115 KB
derbyLocale_pl	07-04-2018 06:40	Executable Jar File	92 KB
derbyLocale_pt_BR	07-04-2018 06:40	Executable Jar File	89 KB
derbyLocale_ru	07-04-2018 06:40	Executable Jar File	119 KB
derbyLocale_zh_CN	07-04-2018 06:40	Executable Jar File	108 KB
derbyLocale_zh_TW	07-04-2018 06:40	Executable Jar File	109 KB
derbynet	07-04-2018 06:40	Executable Jar File	267 KB

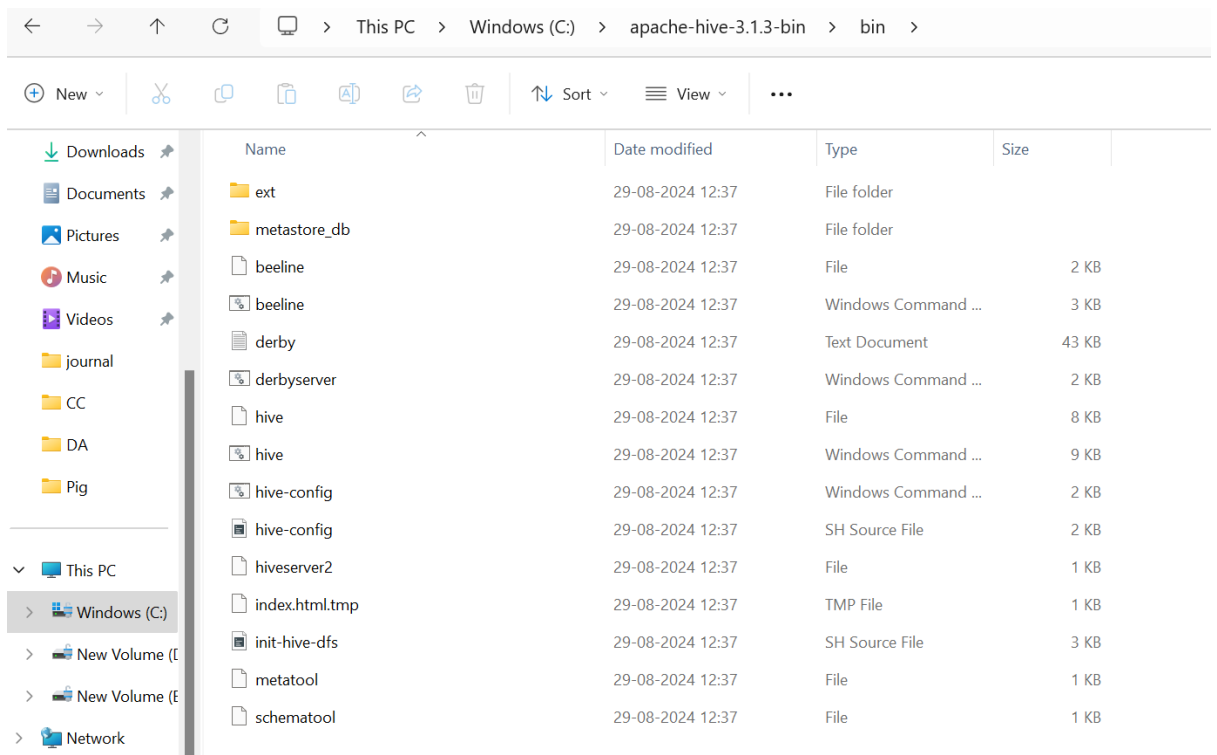20 items

Window 2: apache-hive-3.1.3-bin > lib

This PC > Windows (C:) > apache-hive-3.1.3-bin > lib   Search lib

Name	Date modified	Type	Size
commons-vfs2-2.1	19-10-2019 03:11	Executable Jar File	432 KB
compress-lzf-1.0.3	19-10-2019 03:09	Executable Jar File	78 KB
curator-client-2.12.0	28-10-2019 21:06	Executable Jar File	2,367 KB
curator-framework-2.12.0	28-10-2019 21:05	Executable Jar File	198 KB
curator-recipes-2.12.0	28-10-2019 21:05	Executable Jar File	277 KB
datanucleus-api-jdo-4.2.4	19-10-2019 03:10	Executable Jar File	359 KB
datanucleus-core-4.1.17	19-10-2019 03:10	Executable Jar File	1,970 KB
datanucleus-rdbms-4.1.19	19-10-2019 03:10	Executable Jar File	1,864 KB
derby	07-04-2018 06:40	Executable Jar File	3,158 KB
derby.war	07-04-2018 06:40	WAR File	2 KB
derby-10.14.1.0	19-10-2019 03:05	Executable Jar File	3,157 KB
derbyclient	07-04-2018 06:40	Executable Jar File	575 KB
derbyLocale_cs	07-04-2018 06:40	Executable Jar File	93 KB
derbyLocale_de_DE	07-04-2018 06:40	Executable Jar File	110 KB
derbyLocale_es	07-04-2018 06:40	Executable Jar File	104 KB
derbyLocale_fr	07-04-2018 06:40	Executable Jar File	110 KB
derbyLocale_hu	07-04-2018 06:40	Executable Jar File	94 KB

279 items   26 items selected 11.8 MB

⊕ New ∨ ✂ ⧉ 📋 🗛 ⬆ 🗑 ↑↓ Sort ∨ ≡ View ∨ ⋯

Name	Date modified	Type	Size
📄 beeline-log4j2.properties.template	24-10-2019 08:47	TEMPLATE File	2 KB
📄 hive-default.xml.template	04-04-2022 02:28	TEMPLATE File	294 KB
📄 hive-env.sh.template	24-10-2019 08:47	TEMPLATE File	3 KB
📄 hive-exec-log4j2.properties.template	24-10-2019 08:47	TEMPLATE File	3 KB
📄 hive-log4j2.properties.template	05-09-2020 00:39	TEMPLATE File	4 KB
📄 hive-site.xml	29-08-2024 12:27	Text Document	2 KB
📄 ivysettings	24-10-2019 08:47	XML Source File	3 KB
📄 llap-cli-log4j2.properties.template	05-09-2020 00:39	TEMPLATE File	4 KB
📄 llap-daemon-log4j2.properties.template	29-03-2022 01:09	TEMPLATE File	7 KB
📄 parquet-logging	24-10-2019 08:47	Properties Source File	3 KB

Sidebar:
↓ Downloads
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📷 Pictures
🎵 Music
📹 Videos
📁 journal
📁 CC
📁 DA
📁 Pig
🖥 This PC
  🖴 Windows (C:)

⊕ New ∨ ✂ ⧉ 📋 🗛 ⬆ 🗑 ↑↓ Sort ∨ ≡ View ∨ ⋯

Name	Date modified	Type	Size
📄 disruptor-3.3.6	19-10-2019 03:11	Executable Jar File	83 KB
📄 dropwizard-metrics-hadoop-metrics2-reporter-...	19-10-2019 03:05	Executable Jar File	16 KB
📄 druid-hdfs-storage-0.12.0	20-12-2019 04:20	Executable Jar File	40 KB
📄 ecj-4.4.2	19-10-2019 03:11	Executable Jar File	2,257 KB
📄 esri-geometry-api-2.0.0	28-10-2019 22:20	Executable Jar File	893 KB
📄 findbugs-annotations-1.3.9-1	19-10-2019 03:09	Executable Jar File	15 KB
📄 flatbuffers-1.2.0-3f79e055	19-10-2019 03:09	Executable Jar File	10 KB
📄 groovy-all-2.4.11	19-10-2019 03:10	Executable Jar File	6,867 KB
📄 gson-2.2.4	19-10-2019 03:04	Executable Jar File	186 KB
📄 guava-27.0-jre	29-08-2024 12:28	Executable Jar File	2,684 KB
📄 hbase-client-2.0.0-alpha4	19-10-2019 03:09	Executable Jar File	1,702 KB
📄 hbase-common-2.0.0-alpha4	19-10-2019 03:09	Executable Jar File	747 KB
📄 hbase-common-2.0.0-alpha4-tests	19-10-2019 03:11	Executable Jar File	287 KB

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📁 CC
📁 DA
📁 Pig
🖥 This PC
  🖴 Windows (C:)
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Name	Date modified	Type	Size
bin	29-08-2024 12:37	File folder	
binary-package-licenses	29-08-2024 09:22	File folder	
conf	29-08-2024 12:28	File folder	
examples	29-08-2024 09:22	File folder	
ext	29-08-2024 12:36	File folder	
hcatalog	29-08-2024 09:22	File folder	
jdbc	29-08-2024 09:22	File folder	
lib	29-08-2024 12:29	File folder	
metastore_db	29-08-2024 12:36	File folder	
scripts	29-08-2024 09:22	File folder	
beeline	29-08-2024 12:36	File	2 KB
beeline	29-08-2024 12:36	Windows Command ...	3 KB
derby	29-08-2024 12:36	Text Document	43 KB
derbyserver	29-08-2024 12:36	Windows Command ...	2 KB
hive	29-08-2024 12:36	File	8 KB
hive	29-08-2024 12:36	Windows Command ...	9 KB

Name	Date modified	Type	Size
ext	29-08-2024 12:37	File folder	
metastore_db	29-08-2024 12:37	File folder	
beeline	29-08-2024 12:37	File	2 KB
beeline	29-08-2024 12:37	Windows Command ...	3 KB
derby	29-08-2024 12:37	Text Document	43 KB
derbyserver	29-08-2024 12:37	Windows Command ...	2 KB
hive	29-08-2024 12:37	File	8 KB
hive	29-08-2024 12:37	Windows Command ...	9 KB
hive-config	29-08-2024 12:37	Windows Command ...	2 KB
hive-config	29-08-2024 12:37	SH Source File	2 KB
hiveserver2	29-08-2024 12:37	File	1 KB
index.html.tmp	29-08-2024 12:37	TMP File	1 KB
init-hive-dfs	29-08-2024 12:37	SH Source File	3 KB
metatool	29-08-2024 12:37	File	1 KB
schematool	29-08-2024 12:37	File	1 KB

```
Administrator: Command Prompt - hive                                    —    □    ×

Microsoft Windows [Version 10.0.22631.4112]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd /

C:\>start-all
This script is Deprecated. Instead use start-dfs.cmd and start-yarn.cmd
starting yarn daemons

C:\>jps
9600 NameNode
14068 DataNode
18100 NodeManager
16184 ResourceManager
2600 Jps
```



```
Administrator: Command Prompt - StartNetworkServer  -h 0.0.0.0          —    □    ×

Microsoft Windows [Version 10.0.22631.4112]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>cd /

C:\>StartNetworkServer -h 0.0.0.0
Thu Aug 29 12:58:55 IST 2024 : Security manager installed using the Basic server security policy.
Thu Aug 29 12:58:55 IST 2024 : Apache Derby Network Server - 10.14.2.0 - (1828579) started and ready to accept connectio
ns on port 1527
```



```
Administrator: Command Prompt - hive                                    —    □    ×

C:\>hive --service schematool -dbType derby -initSchema
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/C:/hadoop-3.3.6/share/hadoop/common/lib/slf4j-reload4j-1.7.36.jar!/org/slf4j/impl/Sta
ticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/C:/apache-hive-3.1.3-bin/lib/log4j-slf4j-impl-2.17.1.jar!/org/slf4j/impl/StaticLogger
Binder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Reload4jLoggerFactory]
2024-08-29 13:07:05,856 INFO conf.HiveConf: Found configuration file null
2024-08-29 13:07:06,164 INFO tools.HiveSchemaHelper: Metastore connection URL:   jdbc:derby:;databaseName=metastore_db;c
reate=true
Metastore connection URL:        jdbc:derby:;databaseName=metastore_db;create=true
2024-08-29 13:07:06,166 INFO tools.HiveSchemaHelper: Metastore Connection Driver :        org.apache.derby.jdbc.EmbeddedD
river
Metastore Connection Driver :    org.apache.derby.jdbc.EmbeddedDriver
2024-08-29 13:07:06,166 INFO tools.HiveSchemaHelper: Metastore connection User:  APP
Metastore connection User:       APP
Starting metastore schema initialization to 3.1.0
Initialization script hive-schema-3.1.0.derby.sql
```

```
Initialization script completed
schemaTool completed

C:\>hive
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/C:/hadoop-3.3.6/share/hadoop/common/lib/slf4j-reload4j-1.7.36.jar!/org/slf4j/impl/Sta
ticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/C:/apache-hive-3.1.3-bin/lib/log4j-slf4j-impl-2.17.1.jar!/org/slf4j/impl/StaticLogger
Binder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Reload4jLoggerFactory]
2024-08-29 13:07:29,882 INFO conf.HiveConf: Found configuration file null
2024-08-29 13:07:30,957 WARN common.LogUtils: hive-site.xml not found on CLASSPATH
Hive Session ID = ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9
2024-08-29 13:07:31,003 INFO SessionState: Hive Session ID = ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9

Logging initialized using configuration in jar:file:/C:/apache-hive-3.1.3-bin/lib/hive-common-3.1.3.jar!/hive-log4j2.pro
perties Async: true
2024-08-29 13:07:31,053 INFO SessionState:
Logging initialized using configuration in jar:file:/C:/apache-hive-3.1.3-bin/lib/hive-common-3.1.3.jar!/hive-log4j2.pro
perties Async: true
2024-08-29 13:07:31,911 INFO session.SessionState: Created HDFS directory: /tmp/hive/mannu
```

```
2024-08-29 13:07:40,952 INFO metastore.HiveMetaStore: 1: get_multi_table : db=default tbls=
2024-08-29 13:07:40,953 INFO HiveMetaStore.audit: ugi=mannu        ip=unknown-ip-addr        cmd=get_multi_table : db=default
 tbls=
2024-08-29 13:07:40,956 INFO metadata.HiveMaterializedViewsRegistry: Materialized views registry has been initialized
hive>
```

```
hive> CREATE DATABASE sample;
2024-08-29 13:17:58,469 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb7
94b0b9
2024-08-29 13:17:58,603 INFO ql.Driver: Compiling command(queryId=mannu_20240829131758_f94713b1-6ff5-4cb0-b31c-56a2aa75c
e78): CREATE DATABASE sample
2024-08-29 13:17:58,907 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:17:58,923 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-08-29 13:17:58,926 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:null, properties:null)
2024-08-29 13:17:58,932 INFO ql.Driver: Completed compiling command(queryId=mannu_20240829131758_f94713b1-6ff5-4cb0-b31c
-56a2aa75ce78); Time taken: 0.375 seconds
2024-08-29 13:17:58,932 INFO reexec.ReExecDriver: Execution #1 of query
2024-08-29 13:17:58,933 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:17:58,934 INFO ql.Driver: Executing command(queryId=mannu_20240829131758_f94713b1-6ff5-4cb0-b31c-56a2aa75c
e78): CREATE DATABASE sample
2024-08-29 13:17:58,945 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-08-29 13:17:58,965 INFO sqlstd.SQLStdHiveAccessController: Created SQLStdHiveAccessController for session context :
 HiveAuthzSessionContext [sessionString=ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9, clientType=HIVECLI]
2024-08-29 13:17:58,968 WARN session.SessionState: METASTORE_FILTER_HOOK will be ignored, since hive.security.authorizat
ion.manager is set to instance of HiveAuthorizerFactory.
2024-08-29 13:17:58,969 INFO metastore.HiveMetaStoreClient: Mestastore configuration metastore.filter.hook changed from
org.apache.hadoop.hive.metastore.DefaultMetaStoreFilterHookImpl to org.apache.hadoop.hive.ql.security.authorization.plug
in.AuthorizationMetaStoreFilterHook
2024-08-29 13:17:58,971 INFO metastore.HiveMetaStore: 0: Cleaning up thread local RawStore...
```

```
126): SHOW DATABASES
2024-08-29 13:20:43,574 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-08-29 13:20:43,575 INFO metastore.HiveMetaStore: 0: get_databases: @hive#
2024-08-29 13:20:43,575 INFO HiveMetaStore.audit: ugi=mannu    ip=unknown-ip-addr        cmd=get_databases: @hive#

2024-08-29 13:20:43,583 INFO exec.DDLTask: results : 2
2024-08-29 13:20:43,619 INFO ql.Driver: Completed executing command(queryId=mannu_20240829132043_8f193ffe-60bf-411c-baa8
-84d34fe34126); Time taken: 0.045 seconds
OK
2024-08-29 13:20:43,620 INFO ql.Driver: OK
2024-08-29 13:20:43,620 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:20:43,631 INFO Configuration.deprecation: mapred.input.dir is deprecated. Instead, use mapreduce.input.fil
einputformat.inputdir
2024-08-29 13:20:43,669 INFO mapred.FileInputFormat: Total input files to process : 1
2024-08-29 13:20:43,697 INFO exec.ListSinkOperator: RECORDS_OUT_INTERMEDIATE:0, RECORDS_OUT_OPERATOR_LIST_SINK_0:2,
default
sample
Time taken: 0.234 seconds, Fetched: 2 row(s)
2024-08-29 13:20:43,707 INFO CliDriver: Time taken: 0.234 seconds, Fetched: 2 row(s)
2024-08-29 13:20:43,707 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb7
94b0b9
2024-08-29 13:20:43,708 INFO session.SessionState: Resetting thread name to  main
hive>
```



```
b44): USE sample
2024-08-29 13:26:07,735 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-08-29 13:26:07,736 INFO metastore.HiveMetaStore: 0: get_database: @hive#sample
2024-08-29 13:26:07,736 INFO HiveMetaStore.audit: ugi=mannu    ip=unknown-ip-addr        cmd=get_database: @hive#sample

2024-08-29 13:26:07,738 INFO metastore.HiveMetaStore: 0: get_database: @hive#sample
2024-08-29 13:26:07,738 INFO HiveMetaStore.audit: ugi=mannu    ip=unknown-ip-addr        cmd=get_database: @hive#sample

2024-08-29 13:26:07,740 INFO ql.Driver: Completed executing command(queryId=mannu_20240829132607_94ec5c2e-2f90-4aea-8260
-79d23eb2eb44); Time taken: 0.007 seconds
OK
2024-08-29 13:26:07,741 INFO ql.Driver: OK
2024-08-29 13:26:07,742 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
Time taken: 0.068 seconds
2024-08-29 13:26:07,743 INFO CliDriver: Time taken: 0.068 seconds
2024-08-29 13:26:07,747 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb7
94b0b9
2024-08-29 13:26:07,748 INFO session.SessionState: Resetting thread name to  main
hive>
```



```
hive> CREATE TABLE students (name STRING, roll INT, dept STRING);
2024-08-29 13:28:32,064 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb7
94b0b9
2024-08-29 13:28:32,065 INFO session.SessionState: Updating thread name to ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9 main
2024-08-29 13:28:32,067 INFO ql.Driver: Compiling command(queryId=mannu_20240829132832_025f466a-0d8e-4e9f-9e39-0ba100314
c7b): CREATE TABLE students (name STRING, roll INT, dept STRING)
2024-08-29 13:28:32,128 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:28:32,135 INFO parse.CalcitePlanner: Starting Semantic Analysis
2024-08-29 13:28:32,149 INFO parse.CalcitePlanner: Creating table sample.students position=13
2024-08-29 13:28:32,163 INFO metastore.HiveMetaStore: 0: get_database: @hive#sample
2024-08-29 13:28:32,164 INFO HiveMetaStore.audit: ugi=mannu    ip=unknown-ip-addr        cmd=get_database: @hive#sample

2024-08-29 13:28:32,181 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-08-29 13:28:32,181 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:null, properties:null)
2024-08-29 13:28:32,182 INFO ql.Driver: Completed compiling command(queryId=mannu_20240829132832_025f466a-0d8e-4e9f-9e39
-0ba100314c7b); Time taken: 0.115 seconds
2024-08-29 13:28:32,182 INFO reexec.ReExecDriver: Execution #1 of query
2024-08-29 13:28:32,183 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:28:32,183 INFO ql.Driver: Executing command(queryId=mannu_20240829132832_025f466a-0d8e-4e9f-9e39-0ba100314
c7b): CREATE TABLE students (name STRING, roll INT, dept STRING)
2024-08-29 13:28:32,196 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-08-29 13:28:32,426 INFO metastore.HiveMetaStore: 0: create_table: Table(tableName:students, dbName:sample, owner:ma
nnu, createTime:1724918312, lastAccessTime:0, retention:0, sd:StorageDescriptor(cols:[FieldSchema(name:name, type:string
```

```
hive> LOAD DATA LOCAL INPATH 'C:\EX_5_Hive\students.csv' INTO TABLE students;
2024-08-29 14:11:39,111 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9
2024-08-29 14:11:39,111 INFO session.SessionState: Updating thread name to ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9 main
2024-08-29 14:11:39,114 INFO ql.Driver: Compiling command(queryId=mannu_20240829141139_a912a1e1-e840-4b7e-93d2-09ee931597aa): LOAD DATA LOCAL INPATH 'C:\EX_5_Hive\students.
csv' INTO TABLE students
2024-08-29 14:11:39,138 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 14:11:39,138 INFO metastore.HiveMetaStore: 0: get_table : tbl=hive.sample.students
2024-08-29 14:11:39,140 INFO HiveMetaStore.audit: ugi=mannu     ip=unknown-ip-addr     cmd=get_table : tbl=hive.sample.students
2024-08-29 14:11:39,161 INFO io.HiveFileFormatUtils: Failed to check mode for C:\EX_5_Hive\students.csv: View 'unix' not available (class java.lang.UnsupportedOperationExce
ption)
2024-08-29 14:11:39,198 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-08-29 14:11:39,199 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:null, properties:null)
2024-08-29 14:11:39,200 INFO ql.Driver: Completed compiling command(queryId=mannu_20240829141139_a912a1e1-e840-4b7e-93d2-09ee931597aa); Time taken: 0.086 seconds
2024-08-29 14:11:39,200 INFO reexec.ReExecDriver: Execution #1 of query
2024-08-29 14:11:39,201 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 14:11:39,201 INFO ql.Driver: Executing command(queryId=mannu_20240829141139_a912a1e1-e840-4b7e-93d2-09ee931597aa): LOAD DATA LOCAL INPATH 'C:\EX_5_Hive\students.
csv' INTO TABLE students
2024-08-29 14:11:39,202 INFO ql.Driver: Starting task [Stage-0:MOVE] in serial mode
2024-08-29 14:11:39,203 INFO metastore.HiveMetaStore: 0: Cleaning up thread local RawStore...
2024-08-29 14:11:39,203 INFO HiveMetaStore.audit: ugi=mannu     ip=unknown-ip-addr     cmd=Cleaning up thread local RawStore...
2024-08-29 14:11:39,204 INFO metastore.HiveMetaStore: 0: Done cleaning up thread local RawStore
2024-08-29 14:11:39,204 INFO HiveMetaStore.audit: ugi=mannu     ip=unknown-ip-addr     cmd=Done cleaning up thread local RawStore
Loading data to table sample.students
2024-08-29 14:11:39,205 INFO exec.Task: Loading data to table sample.students from file:/C:/EX_5_Hive/students.csv
2024-08-29 14:11:39,208 INFO metastore.HiveMetaStore: 0: Opening raw store with implementation class:org.apache.hadoop.hive.metastore.ObjectStore
2024-08-29 14:11:39,209 WARN metastore.ObjectStore: datanucleus.autoStartMechanismMode is set to unsupported value null . Setting it to value: ignored
2024-08-29 14:11:39,209 INFO metastore.ObjectStore: ObjectStore, initialize called
2024-08-29 14:11:39,212 INFO metastore.MetaStoreDirectSql: Using direct SQL, underlying DB is DERBY
```

```
OK
2024-08-29 14:11:40,122 INFO ql.Driver: OK
2024-08-29 14:11:40,122 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
Time taken: 1.008 seconds
2024-08-29 14:11:40,123 INFO CliDriver: Time taken: 1.008 seconds
2024-08-29 14:11:40,123 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb794b0b9
2024-08-29 14:11:40,124 INFO session.SessionState: Resetting thread name to  main
```

```
873): SHOW TABLES
2024-08-29 13:38:31,138 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-08-29 13:38:31,139 INFO metastore.HiveMetaStore: 0: get_database: @hive#sample
2024-08-29 13:38:31,142 INFO HiveMetaStore.audit: ugi=mannu     ip=unknown-ip-addr     cmd=get_database: @hive#sample

2024-08-29 13:38:31,145 INFO metastore.HiveMetaStore: 0: get_tables: db=@hive#sample pat=.*
2024-08-29 13:38:31,146 INFO HiveMetaStore.audit: ugi=mannu     ip=unknown-ip-addr     cmd=get_tables: db=@hive#sample
pat=.*
2024-08-29 13:38:31,165 INFO ql.Driver: Completed executing command(queryId=mannu_20240829133831_b2cef26b-7f7e-480b-af4f
-5415a2e61873); Time taken: 0.029 seconds
OK
2024-08-29 13:38:31,166 INFO ql.Driver: OK
2024-08-29 13:38:31,166 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:38:31,170 INFO mapred.FileInputFormat: Total input files to process : 1
2024-08-29 13:38:31,180 INFO exec.ListSinkOperator: RECORDS_OUT_INTERMEDIATE:0, RECORDS_OUT_OPERATOR_LIST_SINK_0:1,
students
Time taken: 0.069 seconds, Fetched: 1 row(s)
2024-08-29 13:38:31,184 INFO CliDriver: Time taken: 0.069 seconds, Fetched: 1 row(s)
2024-08-29 13:38:31,184 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb7
94b0b9
2024-08-29 13:38:31,185 INFO session.SessionState: Resetting thread name to  main
hive>
```

```
858): DESC students
2024-08-29 13:40:43,654 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-08-29 13:40:43,654 INFO metastore.HiveMetaStore: 0: get_table : tbl=hive.sample.students
2024-08-29 13:40:43,654 INFO HiveMetaStore.audit: ugi=mannu     ip=unknown-ip-addr     cmd=get_table : tbl=hive.sample.
students
2024-08-29 13:40:43,672 INFO ql.Driver: Completed executing command(queryId=mannu_20240829134043_f8d37a98-6cf6-4d4f-b0f6
-30bcd856e858); Time taken: 0.019 seconds
OK
2024-08-29 13:40:43,673 INFO ql.Driver: OK
2024-08-29 13:40:43,674 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-08-29 13:40:43,677 INFO mapred.FileInputFormat: Total input files to process : 1
2024-08-29 13:40:43,684 INFO exec.ListSinkOperator: RECORDS_OUT_INTERMEDIATE:0, RECORDS_OUT_OPERATOR_LIST_SINK_0:3,
name                  string
roll                  int
dept                  string
Time taken: 0.241 seconds, Fetched: 3 row(s)
2024-08-29 13:40:43,687 INFO CliDriver: Time taken: 0.241 seconds, Fetched: 3 row(s)
2024-08-29 13:40:43,687 INFO conf.HiveConf: Using the default value passed in for log id: ad7115b2-2eb5-4d3a-8416-b2cbb7
94b0b9
2024-08-29 13:40:43,687 INFO session.SessionState: Resetting thread name to  main
hive>
```

Result:

      Thus, the exercise to create tables in Hive and writing queries to access data in the table has been executed successfully.