

Ex no: 6

Import a JASON file from the command line. Apply the following actions with the data present in the JASON file where, projection, aggregation, remove, count, limit, skip and sort

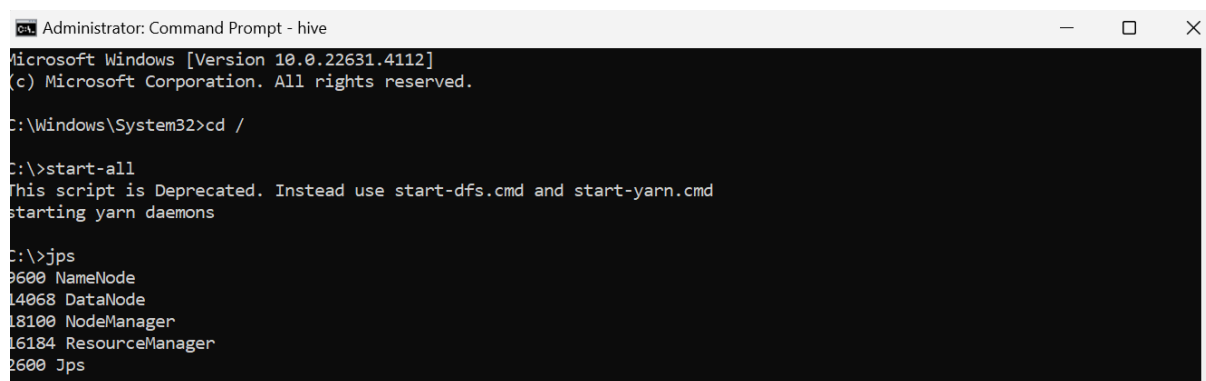
Aim:

To import a JASON file from the command line and to apply the actions projection, aggregation, remove, count, limit, skip and sort with the data present in the JASON file.

Procedure:

1. Install Hive and Derby and configure them.
2. Start Hadoop services using the command “start-all”.
3. Start Derby using the command “StartNetworkServer -h 0.0.0.0”
4. Start Hive using the command “hive --service schematool -dbType derby -initSchema”
5. Open the hive shell by typing the command “hive”
6. After that create a database using the command “CREATE DATABASE employees;”
7. Use “SHOW DATABASES;” to check if the database has been created.
8. To do operations on a particular database use the command “USE employees;”
9. Create a table ‘emp’ inside the database.
10. Create a Json file with data to be loaded into the table.
11. After data is loaded we can do all the operations.

Output Screenshots:

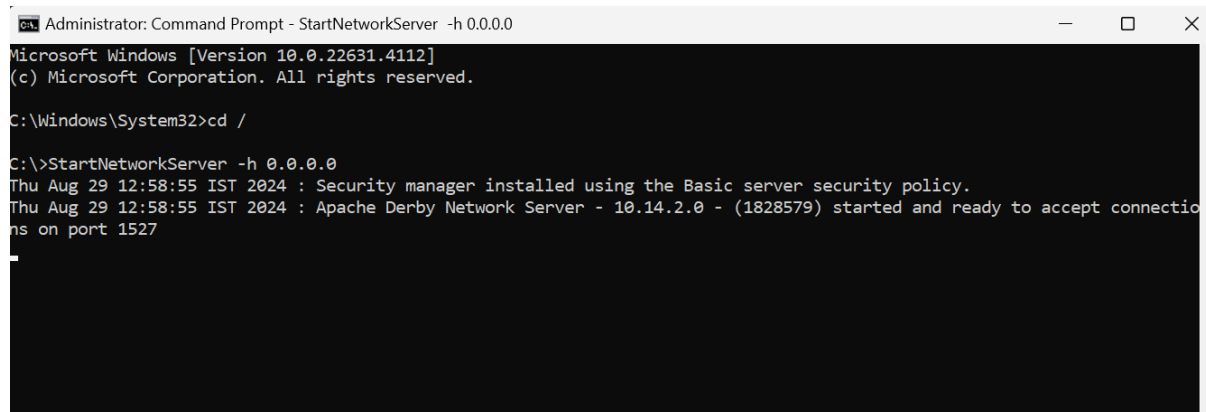


```
Administrator: Command Prompt - hive
Microsoft Windows [Version 10.0.22631.4112]
(c) Microsoft Corporation. All rights reserved.

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 connections 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/StaticLoggerBinder.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/StaticLoggerBinder.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;create=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.EmbeddedDriver
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
```

```
Administrator: Command Prompt - hive

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/StaticLoggerBinder.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/StaticLoggerBinder.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.properties 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.properties Async: true
2024-08-29 13:07:31,911 INFO session.SessionState: Created HDFS directory: /tmp/hive/mannu
```

```
Administrator: Command Prompt - hive

hive> CREATE DATABASE employees;
2024-09-17 23:27:57,232 INFO conf.HiveConf: Using the default value passed in for log id: 3afe530b-624f-4ebb-90b9-ecc8b80db651
2024-09-17 23:27:57,350 INFO ql.Driver: Compiling command(queryId=mannu_20240917232757_f222e792-1fb3-405f-a722-2082f939695f): CREATE DATABASE employees
2024-09-17 23:27:57,640 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:27:57,653 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-09-17 23:27:57,655 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:null, properties:null)
2024-09-17 23:27:57,661 INFO ql.Driver: Completed compiling command(queryId=mannu_20240917232757_f222e792-1fb3-405f-a722-2082f939695f); Time taken: 0.355 seconds
2024-09-17 23:27:57,662 INFO rexec.ReExecDriver: Execution #1 of query
2024-09-17 23:27:57,663 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:27:57,663 INFO ql.Driver: Executing command(queryId=mannu_20240917232757_f222e792-1fb3-405f-a722-2082f939695f): CREATE DATABASE employees
2024-09-17 23:27:57,676 INFO ql.Driver: Starting task [Stage:0:DDL] in serial mode
2024-09-17 23:27:57,699 INFO sqlstd.SQLStdHiveAccessController: Created SQLStdHiveAccessController for session context : HiveAuthzSessionContext [sessionString=3afe530b-624f-4ebb-90b9-ecc8b80db651, clientType=HIVECLI]
2024-09-17 23:27:57,702 WARN session.SessionState: METASTORE_FILTER_HOOK will be ignored, since hive.security.authorization.manager is set to instance of HiveAuthorizerFactory.
2024-09-17 23:27:57,702 INFO metastore.HiveMetaStoreClient: Metastore configuration metastore.filter.hook changed from org.apache.hadoop.hive.metastore.DefaultMetaStoreFilterHookImpl to org.apache.hadoop.hive.ql.security.authorization.plugin.AuthorizationMetaStoreFilterHook
2024-09-17 23:27:57,704 INFO metastore.HiveMetaStore: 0: Cleaning up thread local RawStore...
2024-09-17 23:27:57,704 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=Cleaning up thread local RawStore...
2024-09-17 23:27:57,705 INFO metastore.HiveMetaStore: 0: Done cleaning up thread local RawStore
2024-09-17 23:27:57,705 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=Done cleaning up thread local RawStore
```

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Administrator: Command Prompt - hive
3ce): SHOW DATABASES
2024-09-17 23:29:57,259 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:29:57,269 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-09-17 23:29:57,326 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:database_name, type:string, comment:from deserializer)], properties:null)
2024-09-17 23:29:57,404 INFO exec.ListSinkOperator: Initializing operator LIST_SINK[0]
2024-09-17 23:29:57,411 INFO ql.Driver: Completed compiling command(queryId=mannu_20240917232957_ed583b4b-ee43-4e4f-a5f3-400a717673ce); Time taken: 0.166 seconds
2024-09-17 23:29:57,412 INFO reexec.ReExecDriver: Execution #1 of query
2024-09-17 23:29:57,412 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:29:57,413 INFO ql.Driver: Executing command(queryId=mannu_20240917232957_ed583b4b-ee43-4e4f-a5f3-400a717673ce): SHOW DATABASES
2024-09-17 23:29:57,413 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-09-17 23:29:57,414 INFO metastore.HiveMetaStore: 0: get_databases: @hive#
2024-09-17 23:29:57,414 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_databases: @hive#
2024-09-17 23:29:57,421 INFO exec.DDLTask: results : 3
2024-09-17 23:29:57,467 INFO ql.Driver: Completed executing command(queryId=mannu_20240917232957_ed583b4b-ee43-4e4f-a5f3-400a717673ce); Time taken: 0.055 seconds
OK
2024-09-17 23:29:57,468 INFO ql.Driver: OK
2024-09-17 23:29:57,468 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:29:57,477 INFO Configuration.deprecation: mapred.input.dir is deprecated. Instead, use mapreduce.input.fileinputformat.inputdir
2024-09-17 23:29:57,510 INFO mapred.FileInputFormat: Total input files to process : 1
2024-09-17 23:29:57,539 INFO exec.ListSinkOperator: RECORDS_OUT_INTERMEDIATE:0, RECORDS_OUT_OPERATOR_LIST_SINK_0:3,
default
employees
sample
Time taken: 0.224 seconds, Fetched: 3 row(s)

```

```

Administrator: Command Prompt - hive
hive> USE employees;
2024-09-17 23:33:37,572 INFO conf.HiveConf: Using the default value passed in for log id: 3afe530b-624f-4ebb-90b9-ecc8b80db651
2024-09-17 23:33:37,572 INFO session.SessionState: Updating thread name to 3afe530b-624f-4ebb-90b9-ecc8b80db651 main
2024-09-17 23:33:37,573 INFO ql.Driver: Compiling command(queryId=mannu_20240917233337_701de08d-16df-4ce0-8233-5de033380cfc): USE employees
2024-09-17 23:33:37,585 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:33:37,585 INFO metastore.HiveMetaStore: 0: get_database: @hive#employees
2024-09-17 23:33:37,585 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_database: @hive#employees
2024-09-17 23:33:37,587 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-09-17 23:33:37,588 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:null, properties:null)
2024-09-17 23:33:37,589 INFO ql.Driver: Completed compiling command(queryId=mannu_20240917233337_701de08d-16df-4ce0-8233-5de033380cfc); Time taken: 0.016 seconds
2024-09-17 23:33:37,589 INFO reexec.ReExecDriver: Execution #1 of query
2024-09-17 23:33:37,589 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:33:37,589 INFO ql.Driver: Executing command(queryId=mannu_20240917233337_701de08d-16df-4ce0-8233-5de033380cfc): USE employees
2024-09-17 23:33:37,590 INFO ql.Driver: Starting task [Stage-0:DDL] in serial mode
2024-09-17 23:33:37,590 INFO metastore.HiveMetaStore: 0: get_database: @hive#employees
2024-09-17 23:33:37,591 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_database: @hive#employees
2024-09-17 23:33:37,593 INFO metastore.HiveMetaStore: 0: get_database: @hive#employees
2024-09-17 23:33:37,593 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_database: @hive#employees
2024-09-17 23:33:37,595 INFO ql.Driver: Completed executing command(queryId=mannu_20240917233337_701de08d-16df-4ce0-8233-5de033380cfc); Time taken: 0.006 seconds
OK
2024-09-17 23:33:37,596 INFO ql.Driver: OK
2024-09-17 23:33:37,596 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager

```

```

Administrator: Command Prompt - hive
hive> CREATE TABLE emp(id INT, name STRING, age INT, salary DOUBLE) ROW FORMAT SERDE 'org.apache.hive.hcatalog.data.JsonSerDe' STORED AS TEXTFILE LOCATION '/c/data.json/';
2024-09-17 23:43:57,798 INFO conf.HiveConf: Using the default value passed in for log id: 3afe530b-624f-4ebb-90b9-ecc8b80db651
2024-09-17 23:43:57,799 INFO session.SessionState: Updating thread name to 3afe530b-624f-4ebb-90b9-ecc8b80db651 main
2024-09-17 23:43:57,802 INFO ql.Driver: Compiling command(queryId=mannu_20240917234357_e7f36a61-acb8-4b39-ad46-e7cdef94713a): CREATE TABLE emp(id INT, name STRING, age INT, salary DOUBLE) ROW FORMAT SERDE 'org.apache.hive.hcatalog.data.JsonSerDe' STORED AS TEXTFILE LOCATION '/c/data.json/'
2024-09-17 23:43:57,844 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:43:57,849 INFO parse.CalcitePlanner: Starting Semantic Analysis
2024-09-17 23:43:57,858 INFO parse.CalcitePlanner: Creating table employees.emp position=13
2024-09-17 23:43:57,870 INFO metastore.HiveMetaStore: 0: get_database: @hive#employees
2024-09-17 23:43:57,870 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_database: @hive#employees

```

```
data.json
File Edit View

{"id": 1, "name": "Alice", "age": 30, "city": "New York", "salary": 70000},
{"id": 2, "name": "Bob", "age": 24, "city": "Los Angeles", "salary": 50000},
{"id": 3, "name": "Charlie", "age": 29, "city": "Chicago", "salary": 60000},
{"id": 4, "name": "David", "age": 35, "city": "Houston", "salary": 80000},
{"id": 5, "name": "Eve", "age": 40, "city": "Phoenix", "salary": 90000},
{"id": 6, "name": "Frank", "age": 27, "city": "Philadelphia", "salary": 55000},
{"id": 7, "name": "Grace", "age": 32, "city": "San Antonio", "salary": 65000},
{"id": 8, "name": "Hannah", "age": 28, "city": "San Diego", "salary": 62000},
{"id": 9, "name": "Ivy", "age": 31, "city": "Dallas", "salary": 68000},
{"id": 10, "name": "Jack", "age": 26, "city": "San Jose", "salary": 52000}

Ln 1, Col 1 | 763 characters | 100% | Windows (CRLF) | UTF-8
```

```
Administrator: Command Prompt - hive
hive> LOAD DATA LOCAL INPATH 'C:\\data.json' INTO TABLE emp;
2024-09-17 23:50:10,917 INFO conf.HiveConf: Using the default value passed in for log id: 3afe530b-624f-4ebb-90b9-ecc8b80db651
2024-09-17 23:50:10,918 INFO session.SessionState: Updating thread name to 3afe530b-624f-4ebb-90b9-ecc8b80db651 main
2024-09-17 23:50:10,921 INFO ql.Driver: Compiling command(queryId=mannu_20240917235010_a0a76aae-d478-4bb5-a0eb-f7538b97ceb8): LOAD DATA LOCAL INPATH 'C:\\data.json' INTO TABLE emp
2024-09-17 23:50:10,987 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:50:10,988 INFO metastore.HiveMetaStore: 0: get_table : tbl=hive.employees.emp
2024-09-17 23:50:10,988 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_table : tbl=hive.employees.emp
2024-09-17 23:50:10,999 INFO io.HiveFileFormatUtils: Failed to check mode for C:\\data.json: View 'unix' not available (class java.lang.UnsupportedOperationException)
2024-09-17 23:50:11,023 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-09-17 23:50:11,023 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:null, properties:null)
2024-09-17 23:50:11,023 INFO ql.Driver: Completed compiling command(queryId=mannu_20240917235010_a0a76aae-d478-4bb5-a0eb-f7538b97ceb8); Time taken: 0.102 seconds
2024-09-17 23:50:11,023 INFO reexec.ReExecDriver: Execution #1 of query
2024-09-17 23:50:11,023 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:50:11,024 INFO ql.Driver: Executing command(queryId=mannu_20240917235010_a0a76aae-d478-4bb5-a0eb-f7538b97ceb8): LOAD DATA LOCAL INPATH 'C:\\data.json' INTO TABLE emp
2024-09-17 23:50:11,026 INFO ql.Driver: Starting task [Stage-0:MOVE] in serial mode
2024-09-17 23:50:11,027 INFO metastore.HiveMetaStore: 0: Cleaning up thread local RawStore...
2024-09-17 23:50:11,027 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=Cleaning up thread local RawStore...
```

```
Administrator: Command Prompt - hive
hive> DESC emp;
2024-09-17 23:51:51,161 INFO conf.HiveConf: Using the default value passed in for log id: 3afe530b-624f-4ebb-90b9-ecc8b80db651
2024-09-17 23:51:51,162 INFO session.SessionState: Updating thread name to 3afe530b-624f-4ebb-90b9-ecc8b80db651 main
2024-09-17 23:51:51,166 INFO ql.Driver: Compiling command(queryId=mannu_20240917235151_5f8e1a97-4599-4a70-8e1b-bbf1cc0dda21): DESC emp
2024-09-17 23:51:51,181 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:51:51,182 INFO metastore.HiveMetaStore: 0: get_table : tbl=hive.employees.emp
2024-09-17 23:51:51,182 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_table : tbl=hive.employees.emp
2024-09-17 23:51:51,190 INFO parse.DDLSemanticAnalyzer: analyzeDescribeTable done
2024-09-17 23:51:51,190 INFO ql.Driver: Semantic Analysis Completed (retrial = false)
2024-09-17 23:51:51,191 INFO ql.Driver: Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:col_name, type:string, comment:from deserializer), FieldSchema(name:data_type, type:string, comment:from deserializer), FieldSchema(name:comment, type:string, comment:from deserializer)], properties:null)
2024-09-17 23:51:51,191 INFO exec.ListSinkOperator: Initializing operator LIST_SINK[0]
2024-09-17 23:51:51,192 INFO ql.Driver: Completed compiling command(queryId=mannu_20240917235151_5f8e1a97-4599-4a70-8e1b-bbf1cc0dda21); Time taken: 0.026 seconds
```



```

id                int                from deserializer
name              string            from deserializer
age              int                from deserializer
salary           double            from deserializer
Time taken: 0.042 seconds, Fetched: 4 row(s)
2024-09-17 23:51:51,221 INFO CliDriver: Time taken: 0.042 seconds, Fe
2024-09-17 23:51:51,221 INFO conf.HiveConf: Using the default value p

```

```

Administrator: Command Prompt - hive
504): SELECT * FROM emp
2024-09-17 23:55:23,090 INFO ql.Driver: Concurrency mode is disabled, not creating a lock manager
2024-09-17 23:55:23,090 INFO parse.CalcitePlanner: Starting Semantic Analysis
2024-09-17 23:55:23,094 INFO parse.CalcitePlanner: Completed phase 1 of Semantic Analysis
2024-09-17 23:55:23,095 INFO parse.CalcitePlanner: Get metadata for source tables
2024-09-17 23:55:23,095 INFO metastore.HiveMetaStore: 0: get_table : tbl=hive.employees.emp
2024-09-17 23:55:23,095 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_table : tbl=hive.employe
as.emp
2024-09-17 23:55:23,106 INFO parse.CalcitePlanner: Get metadata for subqueries
2024-09-17 23:55:23,106 INFO parse.CalcitePlanner: Get metadata for destination tables
2024-09-17 23:55:23,134 INFO ql.Context: New scratch dir is hdfs://localhost:9000/tmp/hive/mannu/3afe530b-624f-4ebb-90b9
-ecc8b80db651/hive_2024-09-17_23-55-23_089_5601564919215404836-1
2024-09-17 23:55:23,134 INFO parse.CalcitePlanner: Completed getting MetaData in Semantic Analysis
2024-09-17 23:55:23,143 INFO results.QueryResultsCache: Initializing query results cache at /tmp/hive/_results_
2024-09-17 23:55:23,154 INFO results.QueryResultsCache: Query results cache: cacheDirectory /tmp/hive/_results_
ults-3207bac9-7a54-4a27-8d72-1580a620dbfc, maxCacheSize 2147483648, maxEntrySize 10485760, maxEntryLifetime 3600000
2024-09-17 23:55:23,931 INFO metastore.HiveMetaStore: 0: get_not_null_constraints : tbl=hive.employees.emp
2024-09-17 23:55:23,931 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_not_null_constraints : t
bl=hive.employees.emp
2024-09-17 23:55:23,977 INFO metastore.HiveMetaStore: 0: get_primary_keys : tbl=hive.employees.emp
2024-09-17 23:55:23,978 INFO HiveMetaStore.audit: ugi=mannu ip=unknown-ip-addr cmd=get_primary_keys : tbl=hive.
employees.emp
2024-09-17 23:55:23,994 INFO metastore.HiveMetaStore: 0: get_primary_keys : tbl=hive.employees.emp

```

```

1      Alice      30      70000.0
2      Bob        24      50000.0
3      Charlie    29      60000.0
4      David      35      80000.0
5      Eve        40      90000.0
6      Frank      27      55000.0
7      Grace      32      65000.0
8      Hannah     28      62000.0
9      Ivy        31      68000.0
10     Jack       26      52000.0
10     Jack       26      52000.0

```

```

hive> SELECT name FROM emp where age>30;
2024-09-17 23:57:52,403 INFO conf.HiveConf: Using the de
0db651

```

```

David
Eve
Grace
Ivy
Time taken: 0.73 seco

```

```
hive> SELECT SUM(salary) as TOTAL FROM emp;
2024-09-18 00:04:01,144 INFO conf.HiveConf: Using
a6c28c
```

```
691000.0
```

```
C:\ Administrator: Command Prompt - hive
hive> SELECT * FROM emp LIMIT 5;
2024-09-18 00:06:40,452 INFO conf.Hive
a6c28c
```

```
2024-09-18 00:06:40,627 INFO mapred
1      Alice      30      70000.0
2      Bob        24      50000.0
3      Charlie    29      60000.0
4      David      35      80000.0
5      Eve        40      90000.0
2024-09-18 00:06:40,694 INFO exec T
```

```
2024-09-18 08:16:45,548 INFO se
hive> SELECT COUNT(*) FROM emp;
```

```
10
```

Result:

Thus to import a JASON file from the command line and to apply the actions projection, aggregation, remove, count, limit, skip and sort with the data present in the JASON file has been executed successfully.