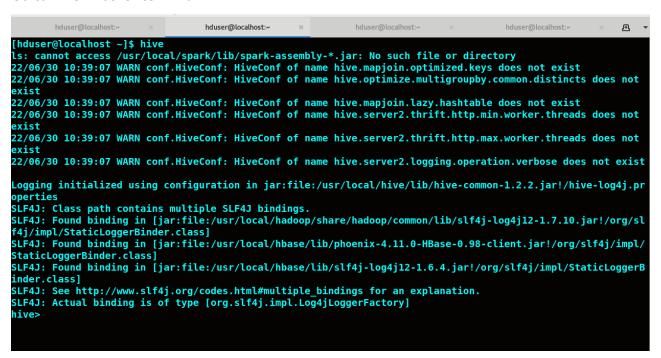
HIVE

Start hive:

```
hduser@localhost:~
                                      hduser@localhost:
                                                                                                                         ,FI,
[hduser@localhost ~]$ hive --service metastore
ls: cannot access /usr/local/spark/lib/spark-assembly-*.jar: No such file or directory
Starting Hive Metastore Server
22/06/30 10:37:24 WARN conf.HiveConf: HiveConf of name hive.mapjoin.optimized.keys does not exist
22/06/30 10:37:24 WARN conf.HiveConf: HiveConf of name hive.optimize.multigroupby.common.distincts does not
exist
22/06/30 10:37:24 WARN conf.HiveConf: HiveConf of name hive.mapjoin.lazy.hashtable does not exist
22/06/30 10:37:24 WARN conf.HiveConf: HiveConf of name hive.server2.thrift.http.min.worker.threads does not
exist
22/06/30 10:37:24 WARN conf.HiveConf: HiveConf of name hive.server2.thrift.http.max.worker.threads does not
exist
22/06/30 10:37:24 WARN conf.HiveConf: HiveConf of name hive.server2.logging.operation.verbose does not exist
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/local/hadoop/share/hadoop/common/lib/slf4j-log4j12-1.7.10.jar!/org/sl
f4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/local/hbase/lib/phoenix-4.11.0-HBase-0.98-client.jar!/org/slf4j/impl/
StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/local/hbase/lib/slf4j-log4j12-1.6.4.jar!/org/slf4j/impl/StaticLoggerB
inder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.slf4j.impl.Log4jLoggerFactory]
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver
 . The driver is automatically registered via the SPI and manual loading of the driver class is generally un
necessarv.
```

Go to hive in other terminal:



```
hive> show databases;
OK
cognizant
cts
custdb
default
demodb
insure
retail
retailstg
sample
Time taken: 0.93 seconds, Fetched: 9 row(s)
hive> create database sampledb;
OK
Time taken: 1.092 seconds
hive> use sampledb;
0K
Time taken: 0.172 seconds hive> create table customer(
     > id bigint,
     > name string,
     > address string);
0K
Time taken: 0.518 seconds
hive> insert into customer values(1,"Alekhya","Hyderabad"),(2,"Deepti","Amaravathi"),(3,"Keerthana","Vizag"),(4,"Likhith","Nalgonda");
Query ID = hduser_20220630104907_81ab7285-a2d5-48db-9648-cab48c720c52
Total jobs = 3
hive> describe formatted customer;
# col_name
                              data_type
                                                            comment
id
                              bigint
name
                              string
address
                              string
# Detailed Table Information
Database:
                              sampledb
                              hduser
CreateTime:
                              Thu Jun 30 10:42:17 IST 2022
LastAccessTime:
                              UNKNOWN
Protect Mode:
                              None
Retention:
Location:
                              hdfs://localhost:54310/user/hive/warehouse/sampledb.db/customer
Table Type:
                              MANAGED_TABLE
Table Parameters:
          COLUMN_STATS_ACCURATE
                                        true
          numFiles
          totalSize
          transient_lastDdlTime
                                        1656566374
# Storage Information
SerDe Library:
                             org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe
org.apache.hadoop.mapred.TextInputFormat
org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutputFormat
InputFormat:
OutputFormat:
 Compressed:
                             No
                             -1
[]
 Num Buckets:
Bucket Columns:
Sort Columns:
Storage Desc Params:
serialization.format 1
Time taken: 0.153 seconds, Fetched: 31 row(s)
hive> select * from customer where address="Hyderabad";
OΚ
1 Alekhya Hyderabad
Time taken: 0.217 seconds, Fetched: 1 row(s)
hive>
```

Load csv file from local to hive table:

```
hive> create table if not exists orders(
    > id bigint,
    > product_id string,
    > customer_id bigint,
> quantity int,
    > amount double)
    > row format delimited
    > fields terminated by ","
    > stored as textfile;
0K
Time taken: 0.224 seconds hive> load data local inpath "/home/hduser/sample.csv" into table orders;
Loading data to table sampledb.orders
Table sampledb.orders stats: [numFiles=1, totalSize=87]
οĸ
Time taken: 0.599 seconds hive> select * from orders;
0K
        Phone 1
Camera 2
Laptop 3
Watch 4
1101
                            2
                                     20000.0
                        1
6
17
F
1102
                                     30000.0
1103
                                      40000.0
1104
                                     30000.0
Time taken: 0.1 seconds, Fetched: 4 row(s)
hive>
```

Load file from hdfs to hive table:

```
[hduser@localhost ~]$ hdfs dfs -mkdir /user/hduser/hivedata
22/06/30 11:29:22 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where app
licable
[hduser@localhost ~]$ hdfs dfs -put sample.csv /user/hduser/hivedata
22/06/30 11:29:43 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where app
licable
```

```
hive> load data inpath "/user/hduser/hivedata/sample.csv" into table orders;
Loading data to table sampledb.orders
Table sampledb.orders stats: [numFiles=2, totalSize=174]
Time taken: 0.439 seconds
hive> select * from orders;
1101
         Phone
                                       20000.0
         Camera 2
Laptop 3
                                      30000.0
40000.0
1102
1103
                             6
                             17
2
                                       30000.0
1104
         Watch
                  4
1101
         Phone
                                       20000.0
1102
          Camera 2
                                       30000.0
         Laptop 3
1103
                             6
                                       40000.0
1104
                             17
                                      30000.0
         Watch
                  4
Time taken: 0.054 seconds, Fetched: 8 row(s)
hive>
```