HIVE

Start hive:

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;
OK
Time taken: 0.172 seconds
hive> create table customer(
    > id bigint,
    > name string,
    > address string);
OK
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;
OK
# col_name              data_type               comment

id                      bigint
name                    string
address                 string

# Detailed Table Information
Database:               sampledb
Owner:                  hduser
CreateTime:             Thu Jun 30 10:42:17 IST 2022
LastAccessTime:         UNKNOWN
Protect Mode:           None
Retention:              0
Location:               hdfs://localhost:54310/user/hive/warehouse/sampledb.db/customer
Table Type:             MANAGED_TABLE
Table Parameters:
        COLUMN_STATS_ACCURATE   true
        numFiles                1
        totalSize               77
        transient_lastDdlTime   1656566374
```

```
# Storage Information
SerDe Library:          org.apache.hadoop.hive.serde2.lazy.LazySimpleSerDe
InputFormat:            org.apache.hadoop.mapred.TextInputFormat
OutputFormat:           org.apache.hadoop.hive.ql.io.HiveIgnoreKeyTextOutputFormat
Compressed:             No
Num Buckets:            -1
Bucket Columns:         []
Sort Columns:           []
Storage Desc Params:
        serialization.format    1
Time taken: 0.153 seconds, Fetched: 31 row(s)
hive>
```

```
hive> select * from customer where address="Hyderabad";
OK
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;
OK
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]
OK
Time taken: 0.599 seconds
hive> select * from orders;
OK
1101    Phone    1       2       20000.0
1102    Camera   2       1       30000.0
1103    Laptop   3       6       40000.0
1104    Watch    4       17      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]
OK
Time taken: 0.439 seconds
hive> select * from orders;
OK
1101    Phone    1       2       20000.0
1102    Camera   2       1       30000.0
1103    Laptop   3       6       40000.0
1104    Watch    4       17      30000.0
1101    Phone    1       2       20000.0
1102    Camera   2       1       30000.0
1103    Laptop   3       6       40000.0
1104    Watch    4       17      30000.0
Time taken: 0.054 seconds, Fetched: 8 row(s)
hive>
```