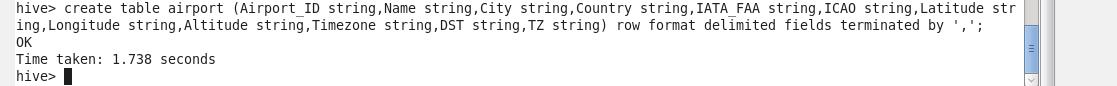
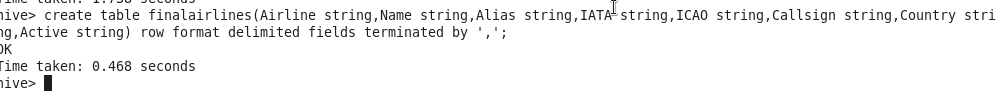
**Analysis of Airport Data using Hadoop-Hive**

1. **creating table airport for airports\_mod.dat**:

**Command:** create table airport (Airport\_ID string, Name string, City string, Country string, IATA\_FAA string, ICAO string, Latitude string, Longitude string, Altitude string, Timezone string, DST string, TZ string) row format delimited fields terminated by ',';



2.**creating table finalairlines for Final\_airlines** :

**Command:** create table finalairlines (Airline string, Name string, Alias string, IATA string, ICAO string, Callsign string, Country string, Active string) row format delimited fields terminated by ',';

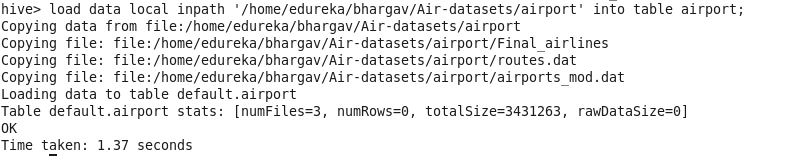
3. **Creating table route for routes.dat**:

**Command:** create table route(Airline string, Airline\_ID string, Source\_airport string, Source\_airport\_ID string, Destination\_airport string, Destination\_airport\_ID string, Codeshare string, Stops string, Equipment string) row format delimited fields terminated by ',';



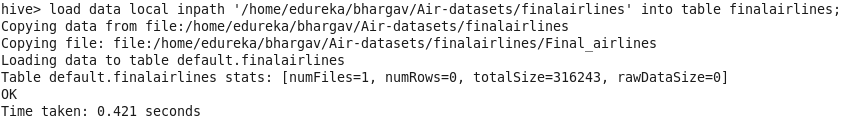
4. **loading data into airport table**

**Command:** load data local inpath '/home/edureka/bhargav/Air-datasets/airport' into table airport;



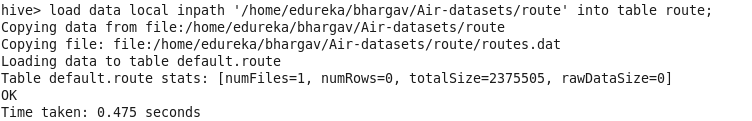
5. **loading data into finalairlines table**

**Command:** load data local inpath '/home/edureka/bhargav/Air-datasets/finalairlines' into table finalairlines;



6**.loading data into route table**

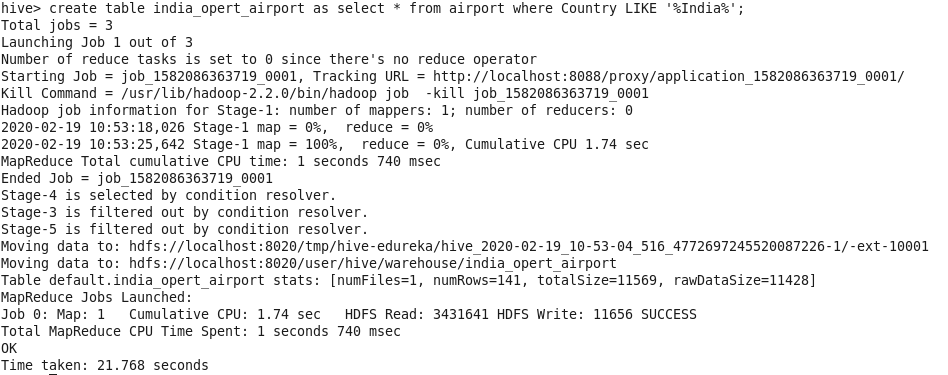
**Command:** load data local inpath '/home/edureka/ bhargav/Air-datasets/route' into table route;



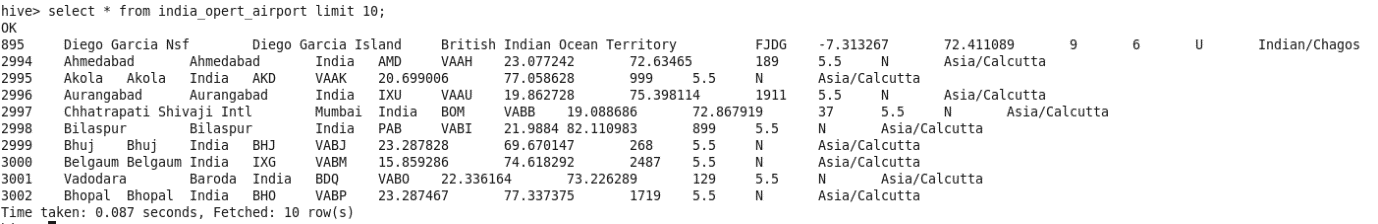
**Problem solution**:

a) **Find list of Airports operating in the Country India**;

**Command:** create table india\_opert\_airport as select \* from airport where Country LIKE '%India%';

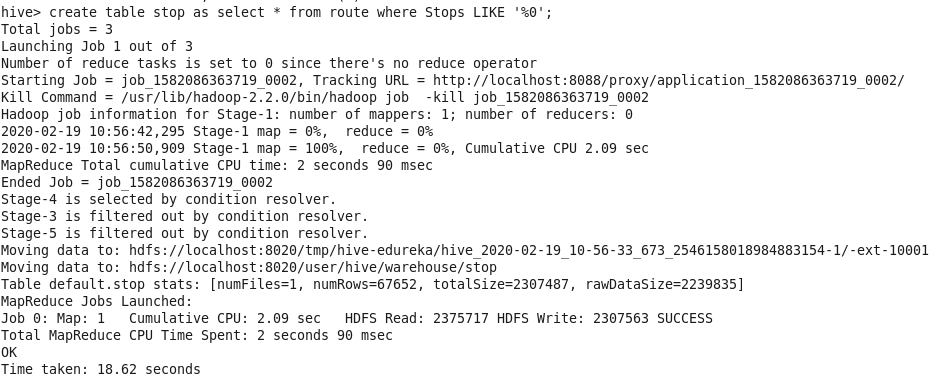


**Command:** select \* from india\_opert\_airport limit 10; (to show only first 10 values due to large nos of data)

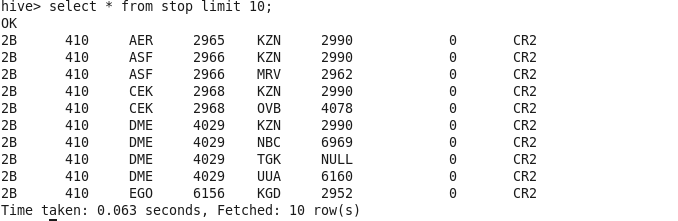


b.**Find the list of Airlines having zero stops**

**Command:** create table stop as select \* from route where Stops LIKE '%0';

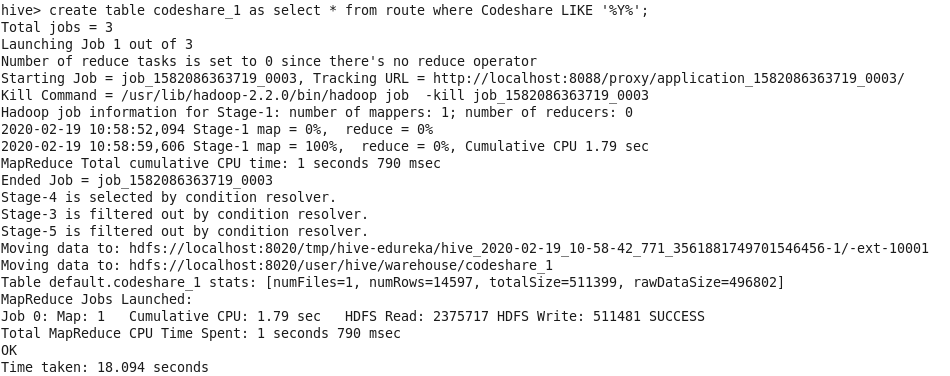


**Command:** select \* from stop limit 10;

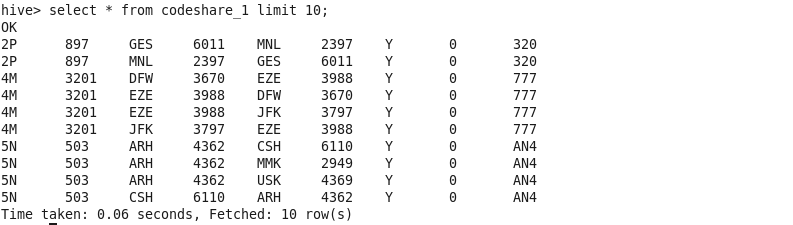


**c.List of Airlines operating with code share**

**Command:** create table codeshare\_1 as select \* from route where Codeshare LIKE '%Y%';

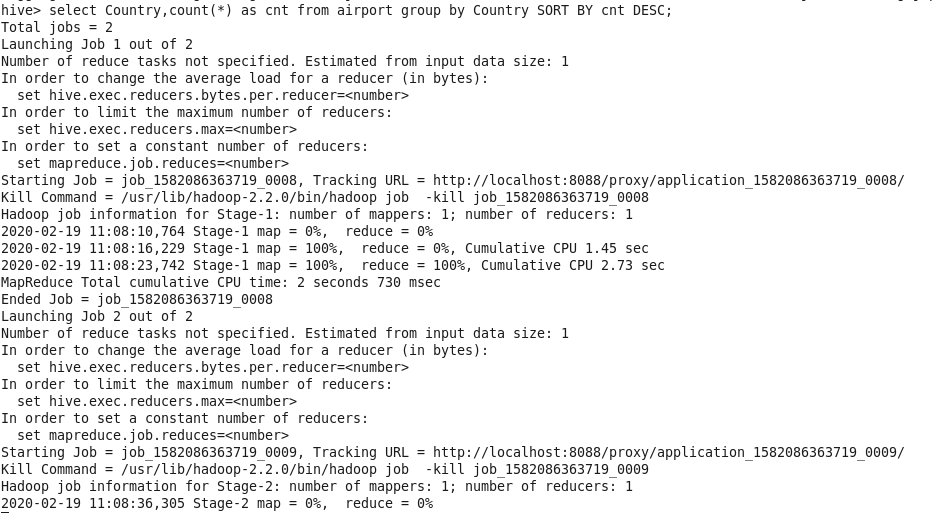
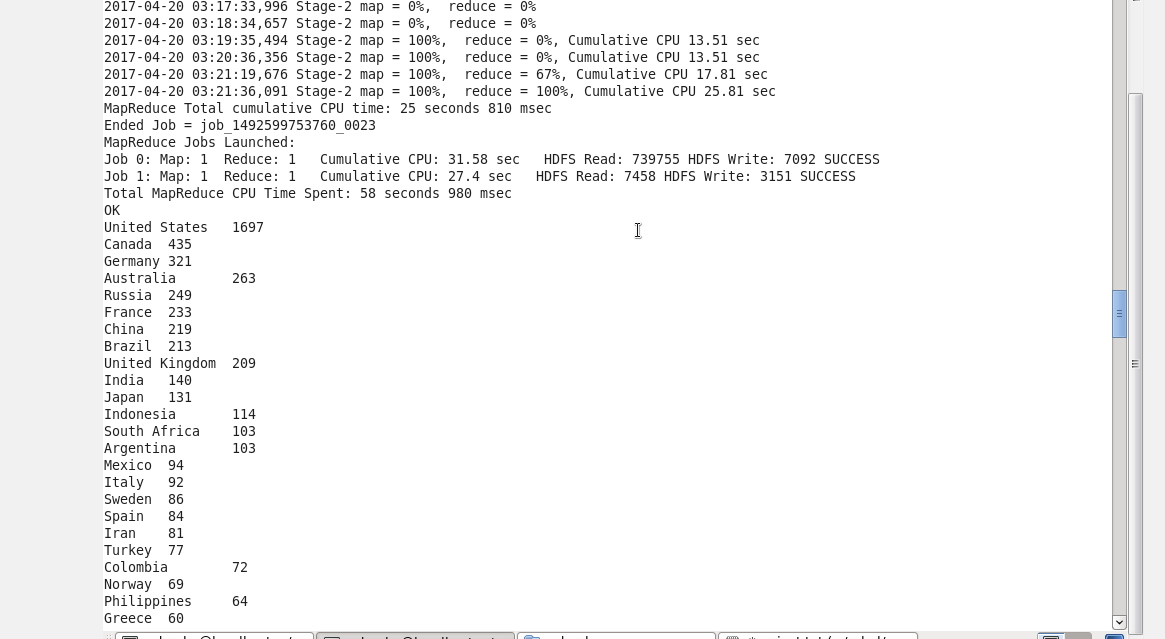


**Command:** select \* from codeshare\_1 limit 10;



**d.Which country (or) territory having highest Airports**

**Command:** select Country,count(\*) as cnt from airport group by Country SORT BY cnt DESC;



**E. Find the list of Active Airlines in United state**

**Command:** select \* from finalairlines where Country like '%United States%' AND Active like '%Y%';

