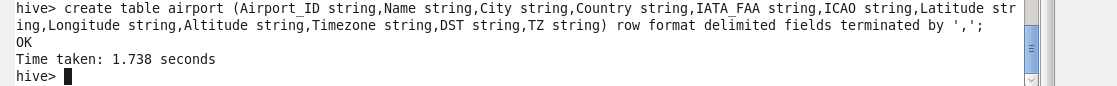
**Analysis of Airport Data using Hadoop-Hive**

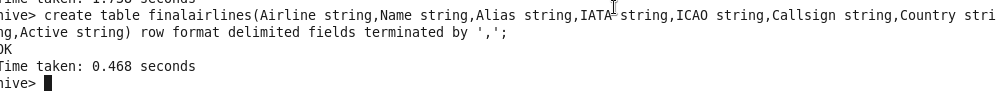
1. **creating table airport for airports\_mod.dat**:

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 ',';



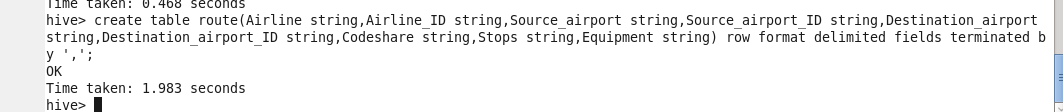
2.**creating table finalairlines for Final\_airlines** :

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 ',';



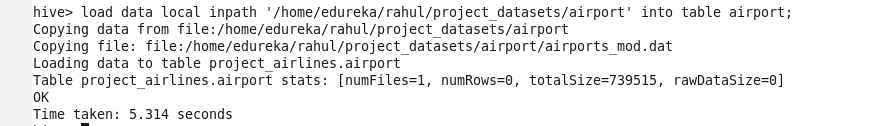
3. **Creating table route for routes.dat**:

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 ',';



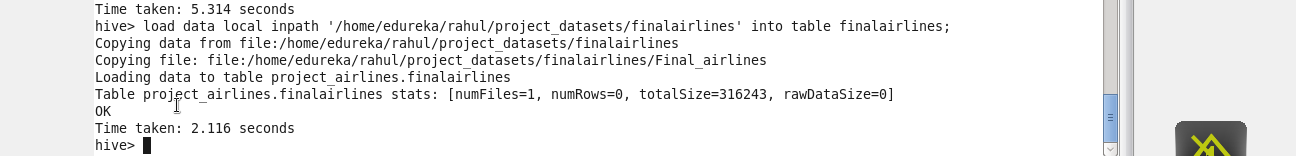
4. **loading data into airport table**

load data local inpath '/home/edureka/rahul/project\_datasets/airport' into table airport;



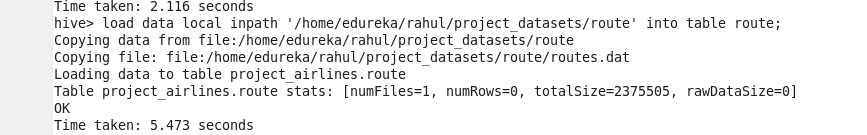
5. **loading data into finalairlines table**

load data local inpath '/home/edureka/rahul/project\_datasets/finalairlines' into table finalairlines;



6**.loading data into route table**

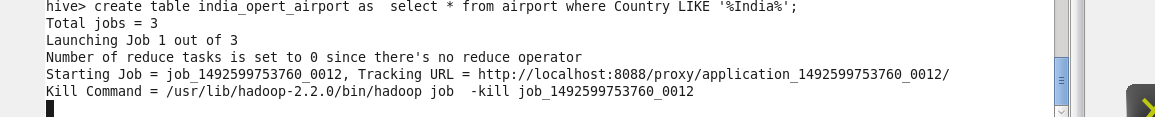
load data local inpath '/home/edureka/rahul/project\_datasets/route' into table route;

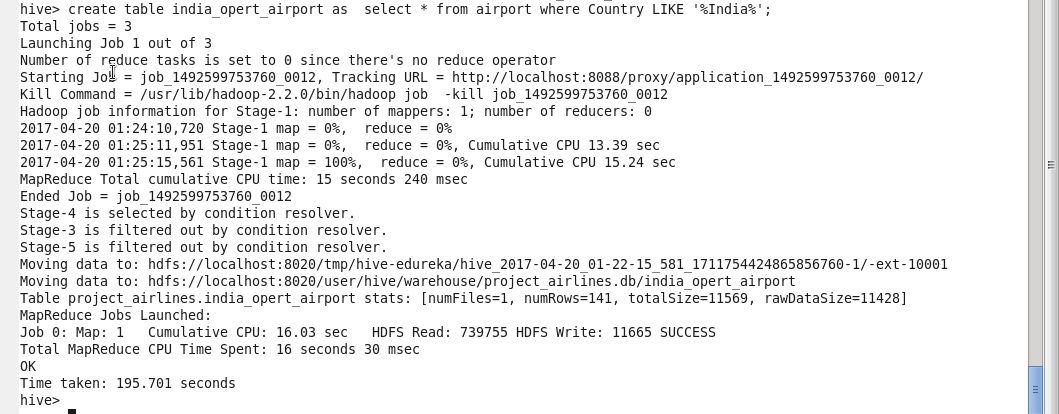


**Problem solution**:

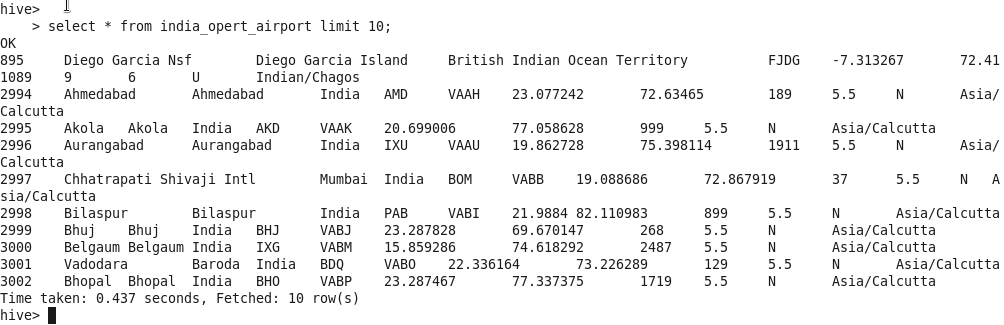
a) **Find list of Airports operating in the Country India**;

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



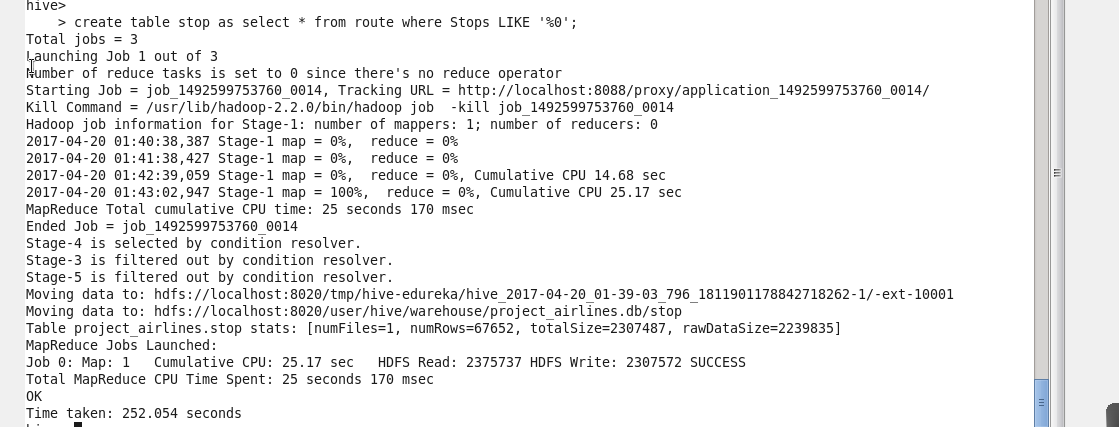


select \* from india\_opert\_airport limit 10; (to show only first 10 values due to large nos of data)

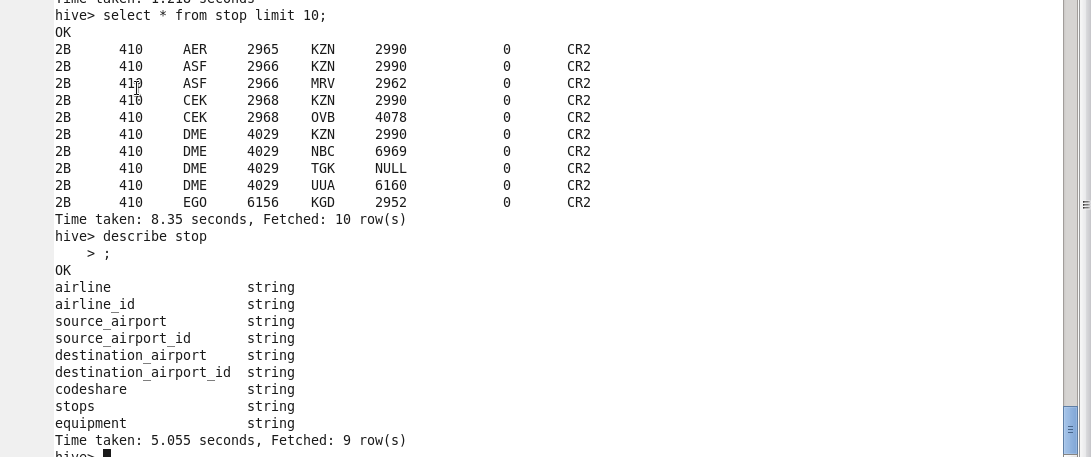


b.**Find the list of Airlines having zero stops**

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

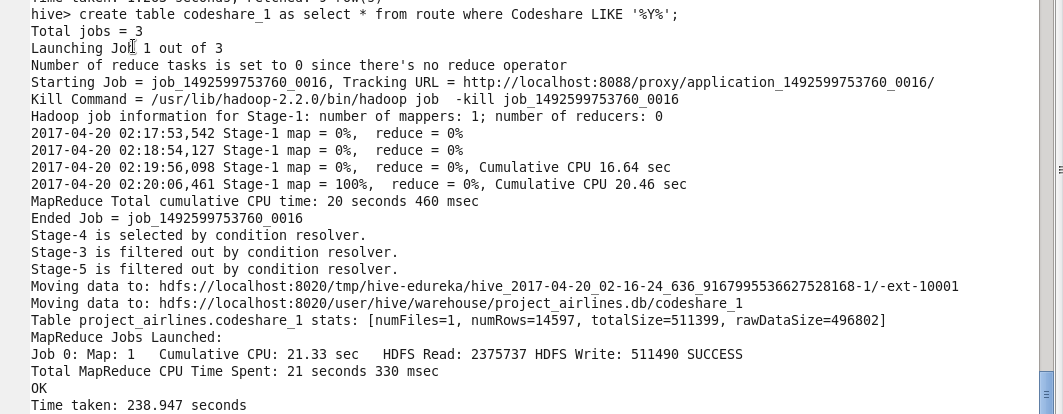


select \* from stop limit 10;

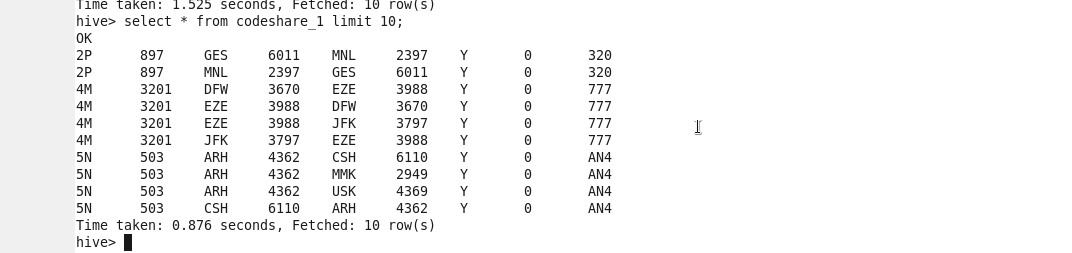


**c.List of Airlines operating with code share**

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

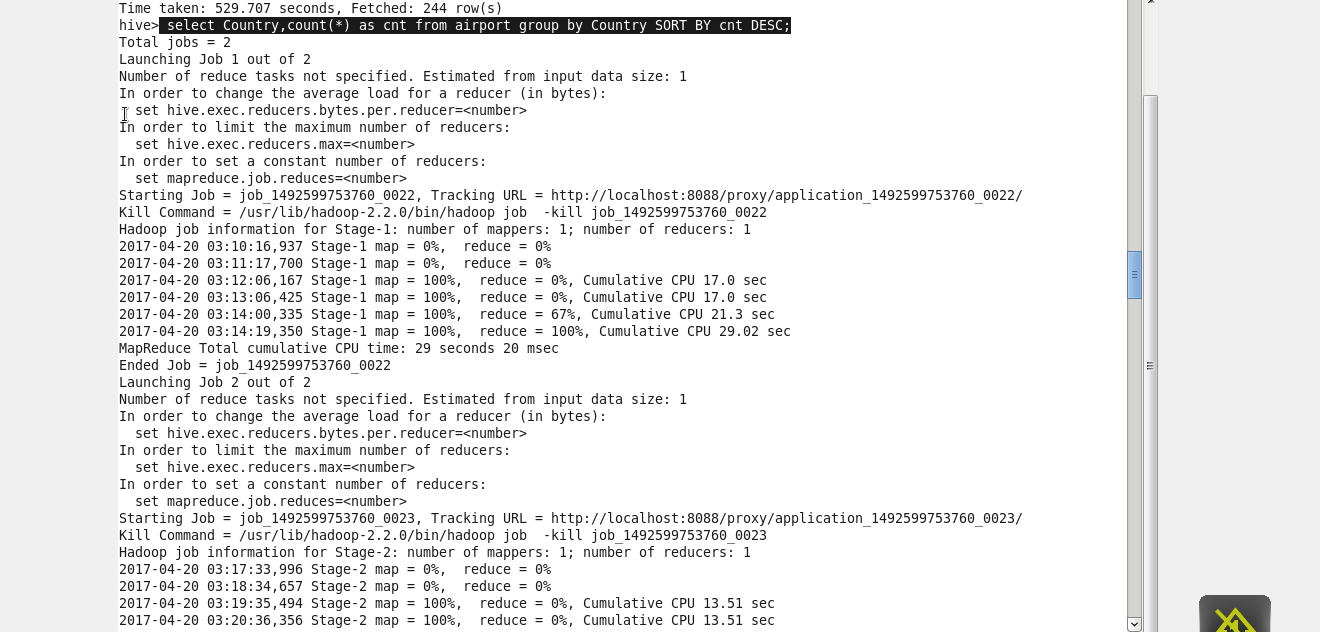


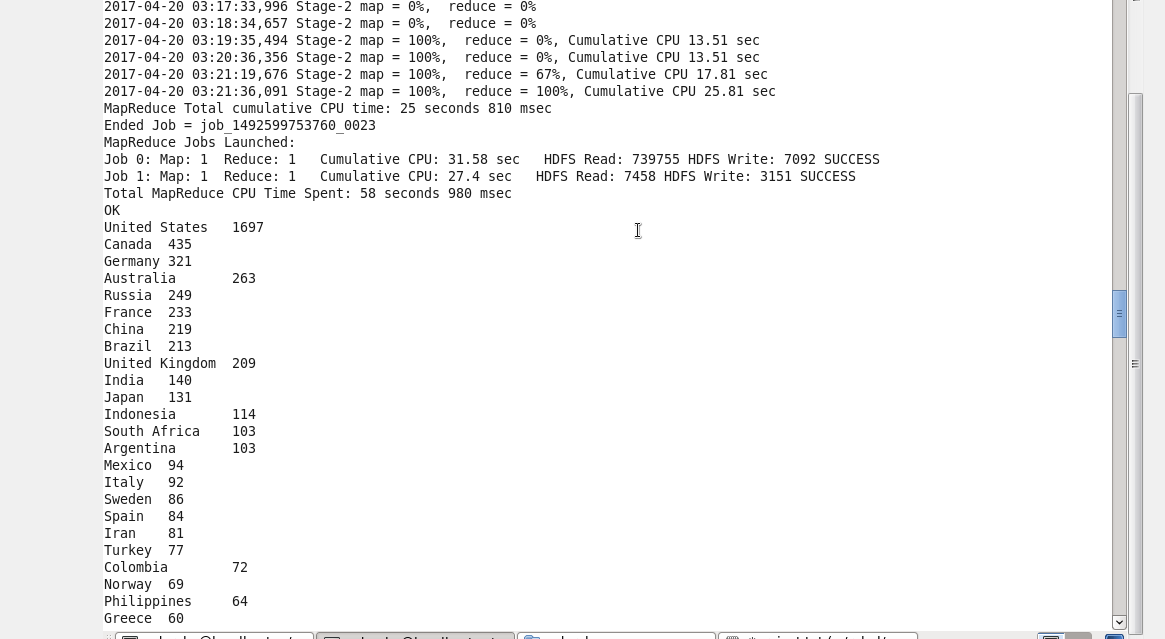
select \* from codeshare\_1 limit 10;



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

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





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

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

