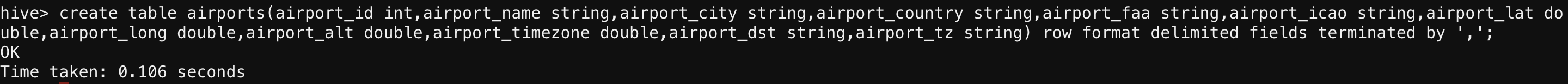
**Analysis of Airport Data using Hadoop-Hive**

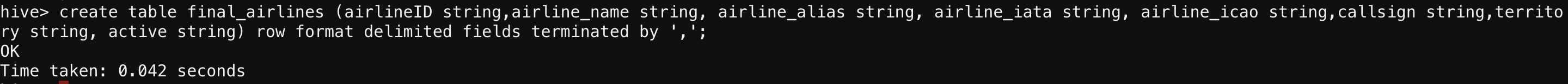
1. **creating table airport for airports\_mod.dat**:

create table airports (airport\_id int,airport\_name string,airport\_city string,airport\_country string,airport\_faa string,airport\_icao string,airport\_lat double,airport\_long double,airport\_alt double,airport\_timezone double,airport\_dst string,airport\_tz string) row format delimited fields terminated by ',';



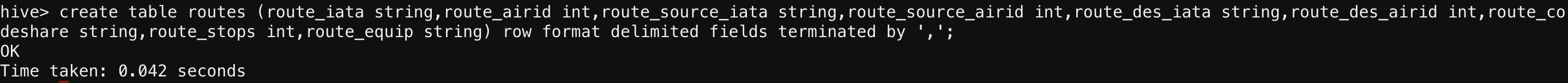
2.**creating table finalairlines for Final\_airlines** :

create table final\_airlines (airlineID string,airline\_name string, airline\_alias string, airline\_iata string, airline\_icao string,callsign string,territory string, active string) row format delimited fields terminated by ',';



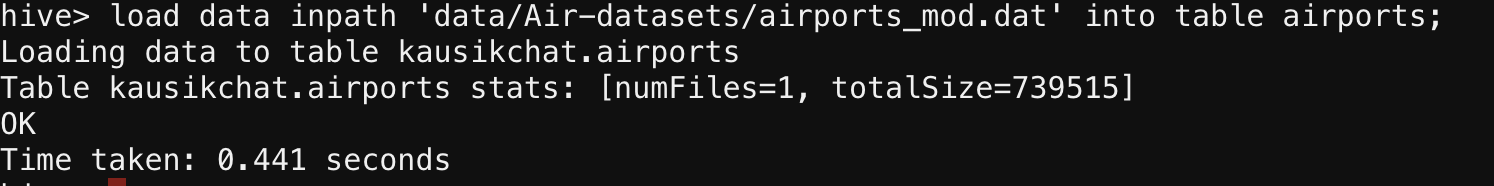
3. **Creating table route for routes.dat**:

create table routes (route\_iata string,route\_airid int,route\_source\_iata string,route\_source\_airid int,route\_des\_iata string,route\_des\_airid int,route\_codeshare string,route\_stops int,route\_equip string) row format delimited fields terminated by ',';



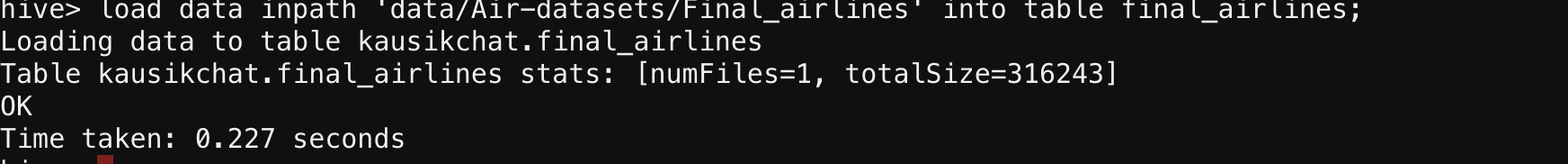
4. **loading data into airport table**

load data inpath 'data/Air-datasets/airports\_mod.dat' into table airports;



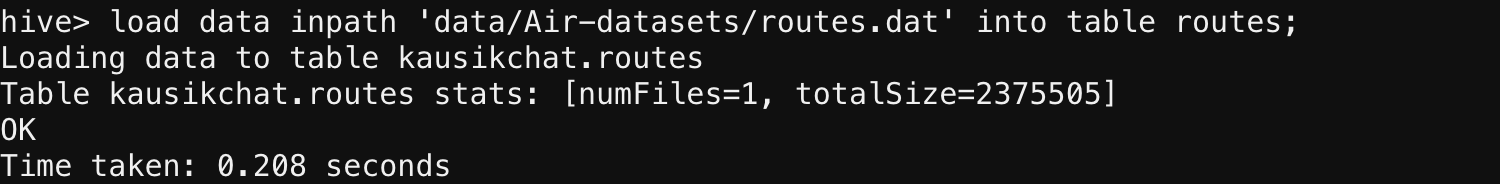
5. **loading data into final airlines table**

load data inpath 'data/Air-datasets/Final\_airlines' into table final\_airlines;



6**.loading data into route table**

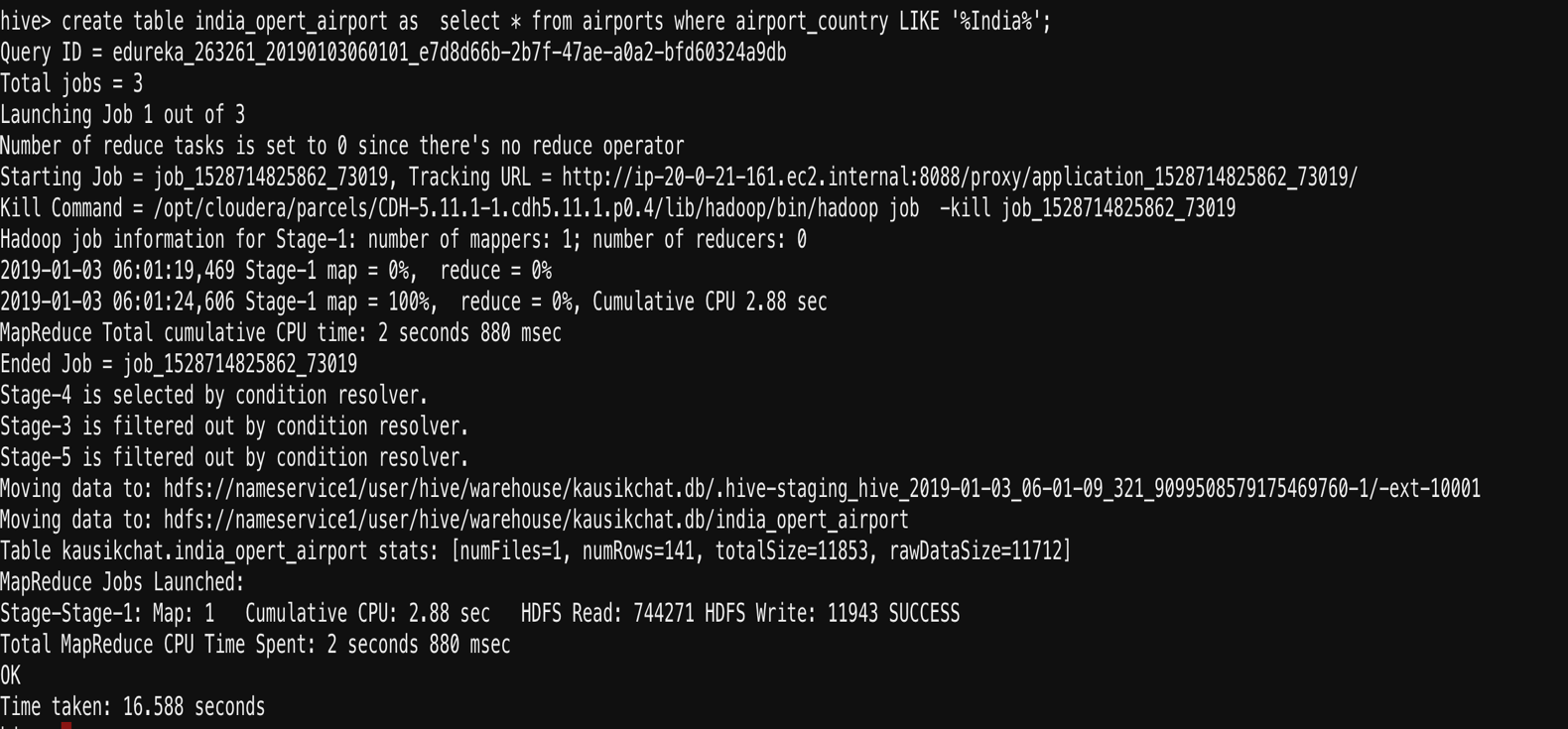
load data inpath 'data/Air-datasets/routes.dat' into table routes;



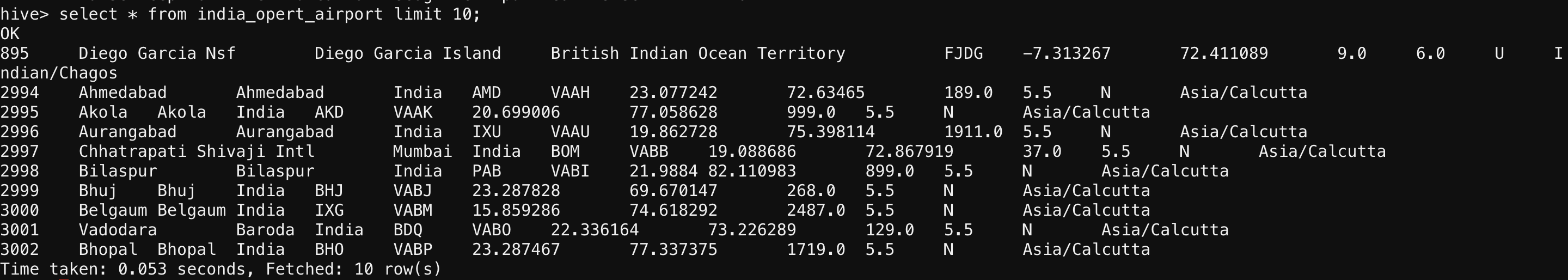
**Problem solution**:

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

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

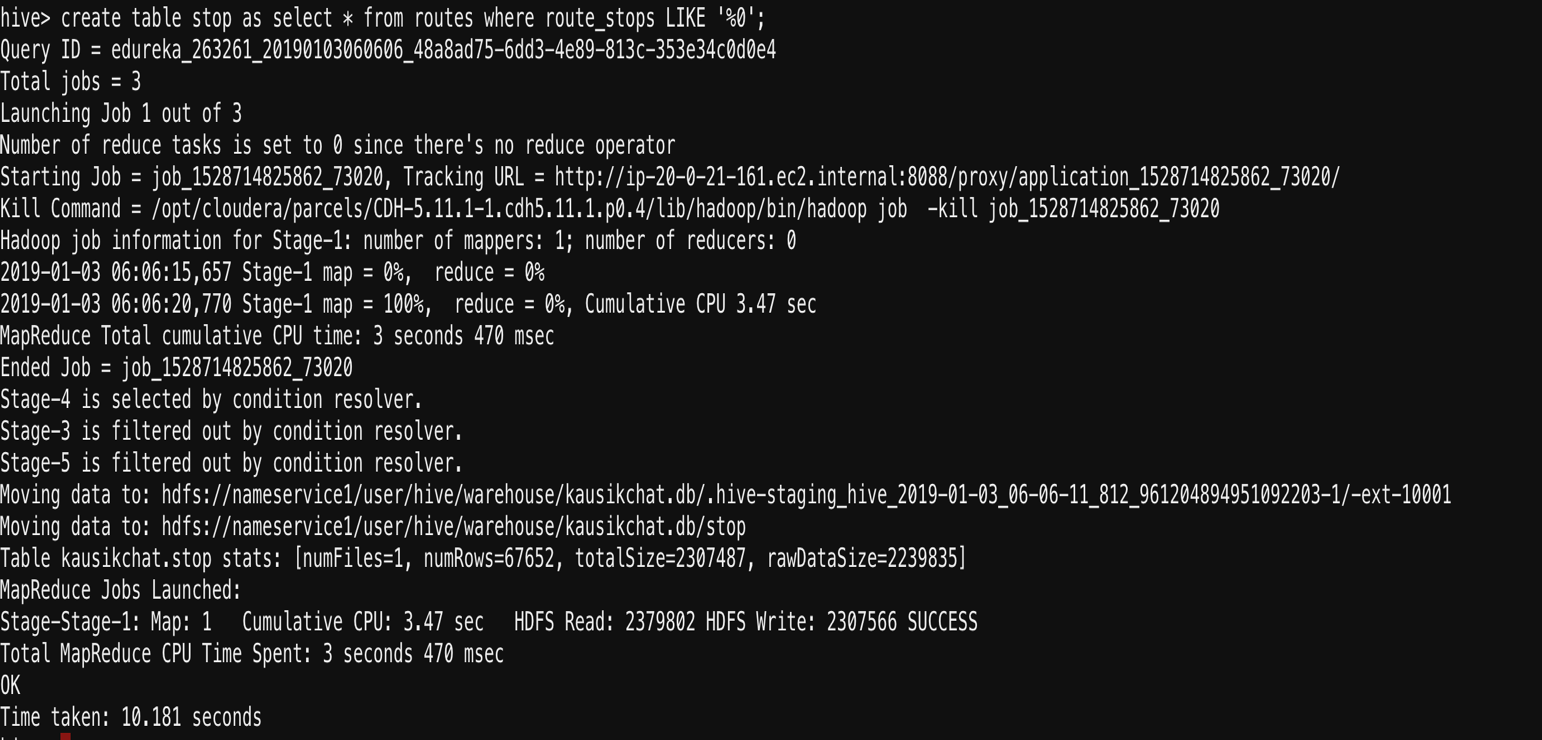


select \* from india\_opert\_airport limit 10; (to show only first 10 values due to large nos of data)

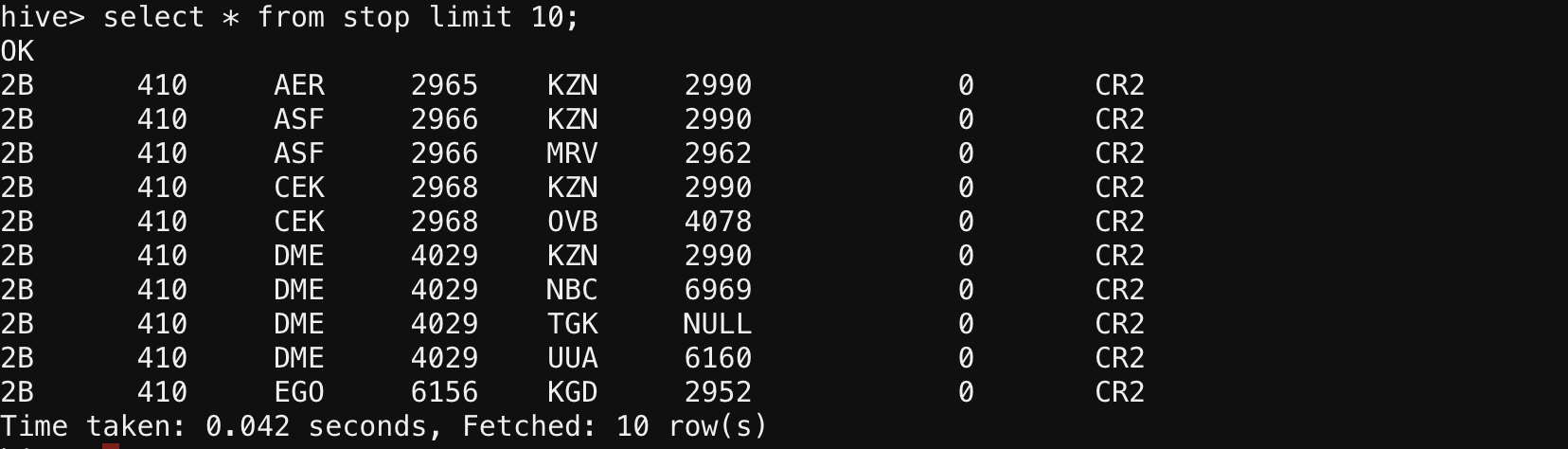


b.**Find the list of Airlines having zero stops**

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

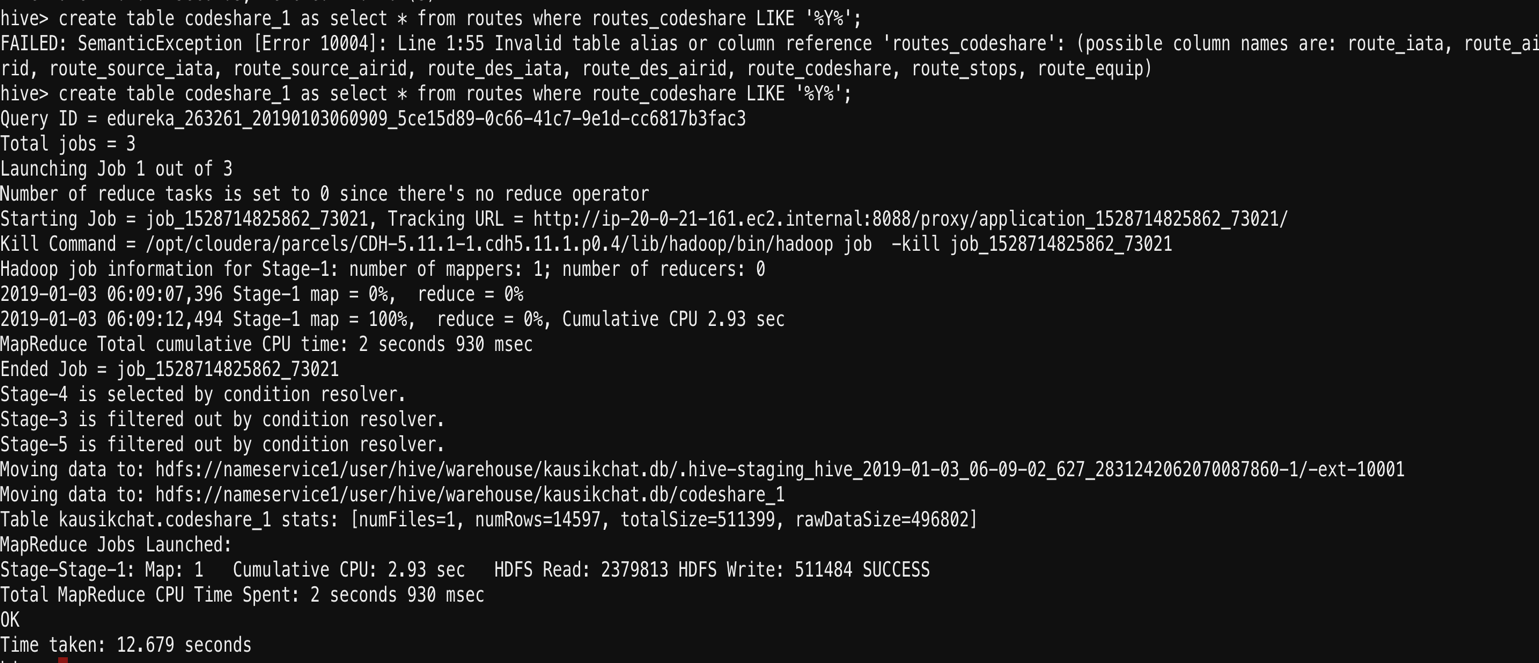


select \* from stop limit 10;



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

create table codeshare\_1 as select \* from routes where routes\_codeshare LIKE '%Y%';

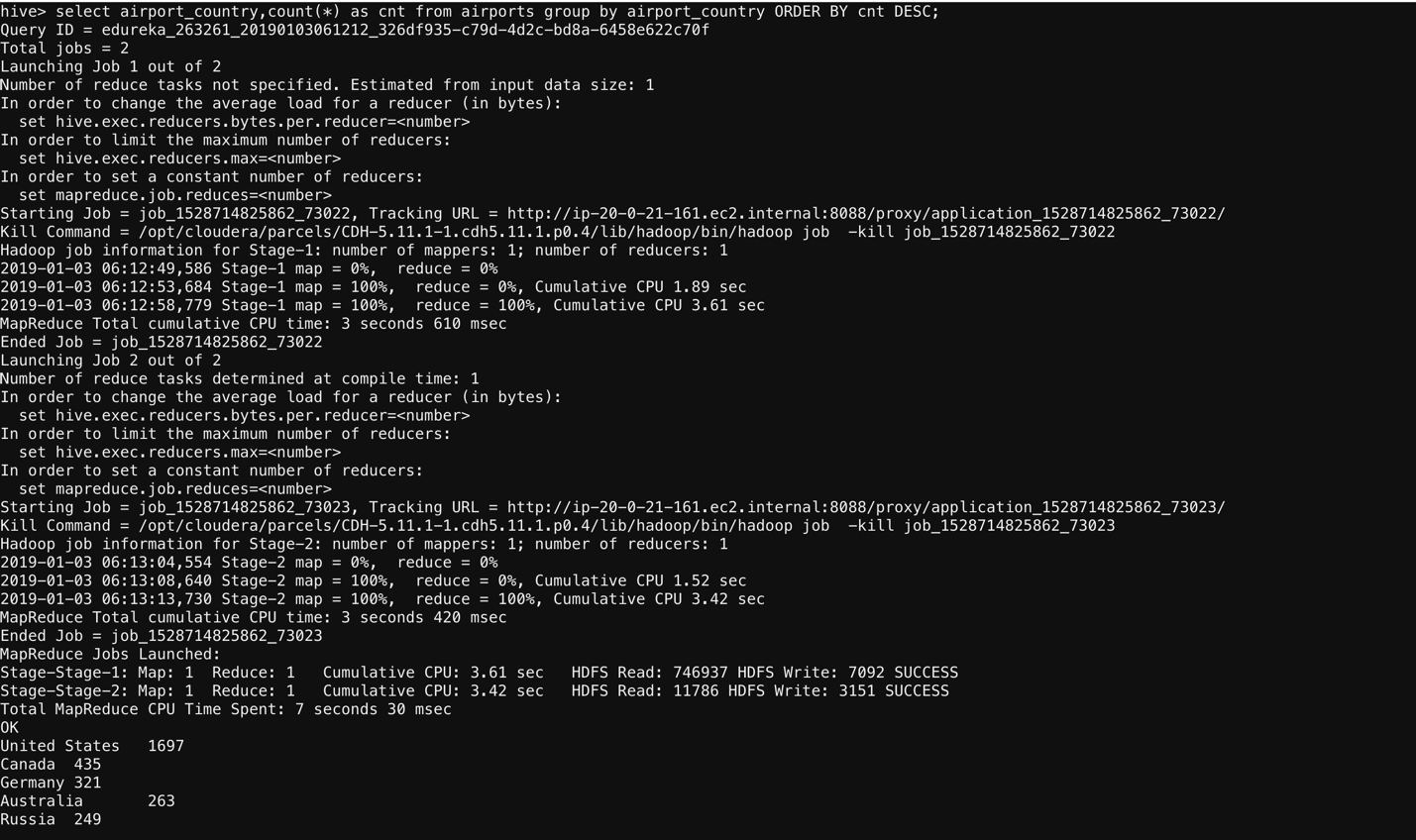


select \* from codeshare\_1 limit 10;



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

select airport\_country,count(\*) as cnt from airports group by airport\_country ORDER BY cnt DESC;



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

select \* from final\_airlines where territory like '%United States%' AND active like '%Y%';

