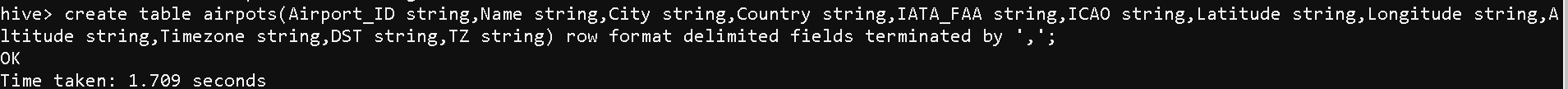
**Analysis of Airport Data using Hadoop-Hive**

create database airline\_2020;

use airline\_2020;

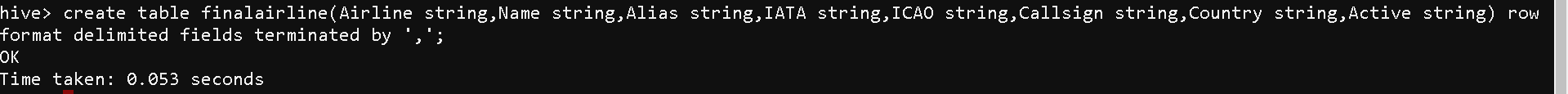
1. **creating table airports for airports\_mod.dat**:

create table airports(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 ',';



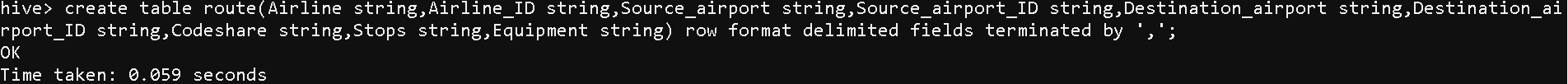
2.**creating table finalairline for Final\_airlines** :

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



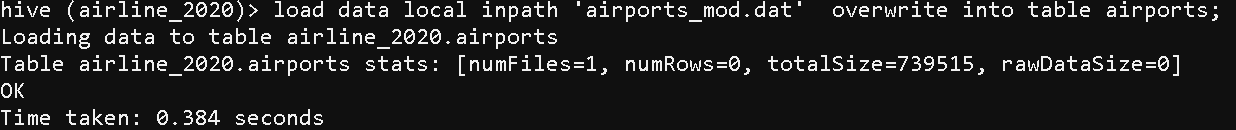
3. **Creating table route for routes.dat**:

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 ',';



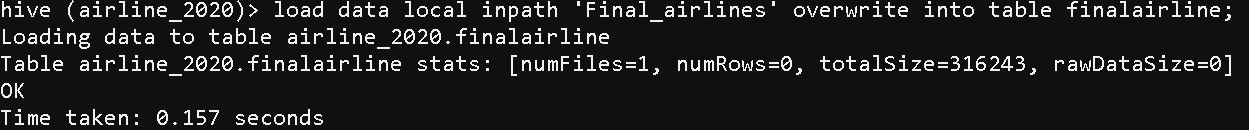
**4.loading ‘airports\_mod.dat’ data into airports table**

load data local inpath 'airports\_mod.dat' overwrite into table airports;



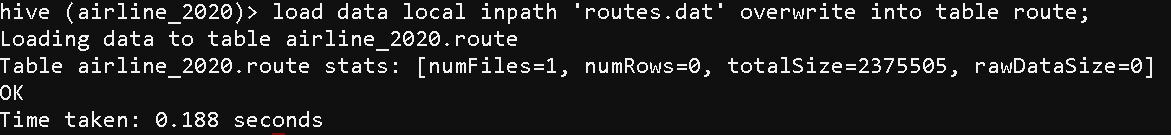
5. **loading ‘finalairline’ data into finalairline table**

load data local inpath 'Final\_airlines' overwrite into table finalairline;



6**.loading ‘routes.dat’ data into route table**

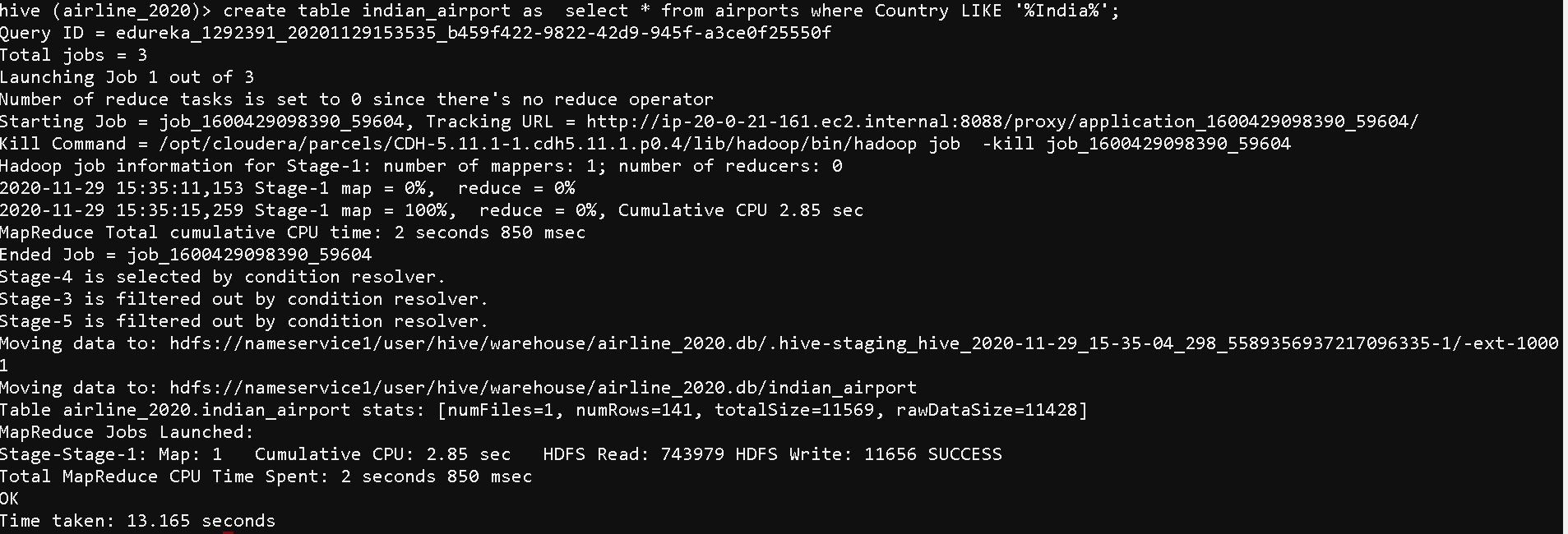
load data local inpath 'routes.dat' overwrite into table route;



**Problem solution**:

1. **Find list of Airports operating in the Country India:**

* create table indian\_airport as select \* from airports where Country LIKE '%India%';



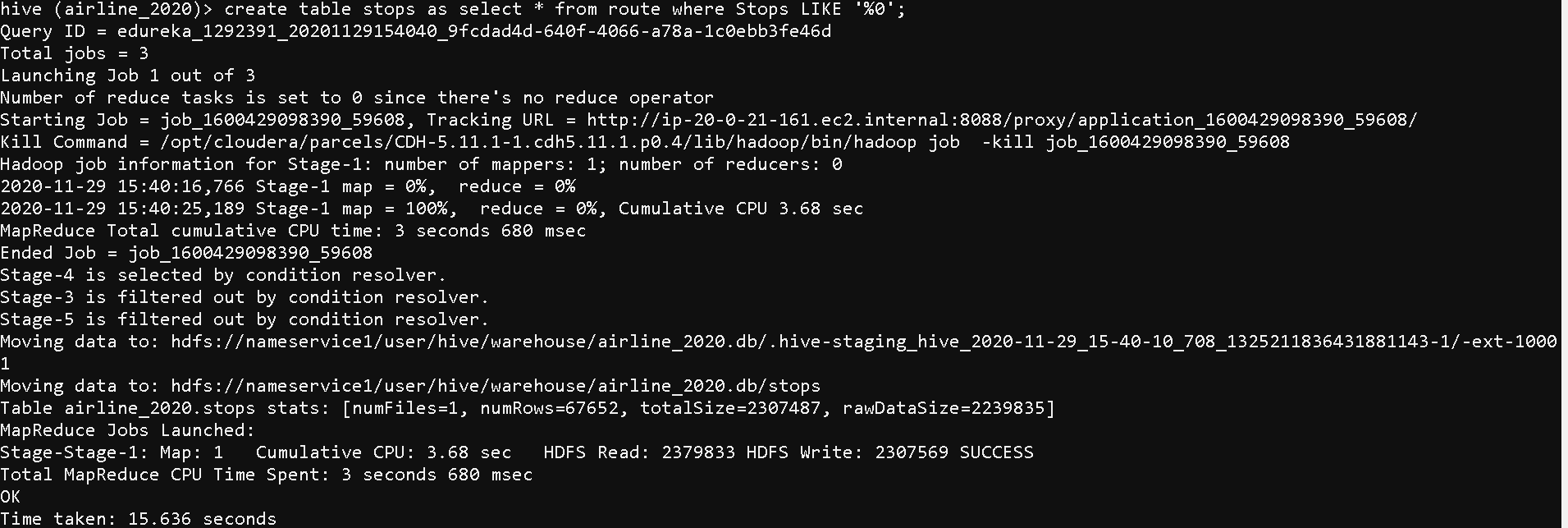
* select \* from indian\_airport limit 10;

(to show only first 10 values due to large nos of data)

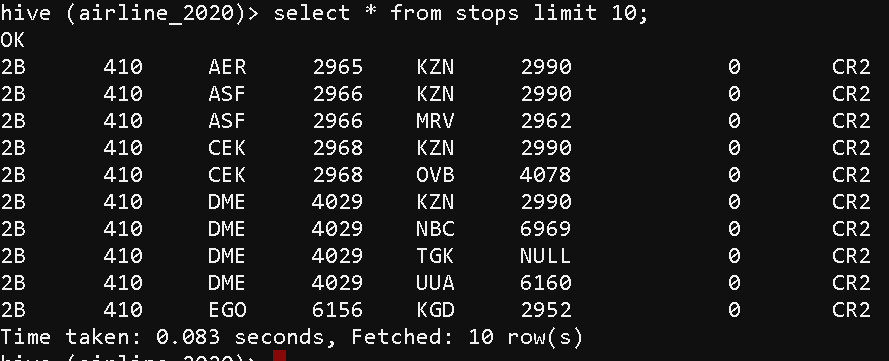


**B.Find the list of Airlines having zero stops:**

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

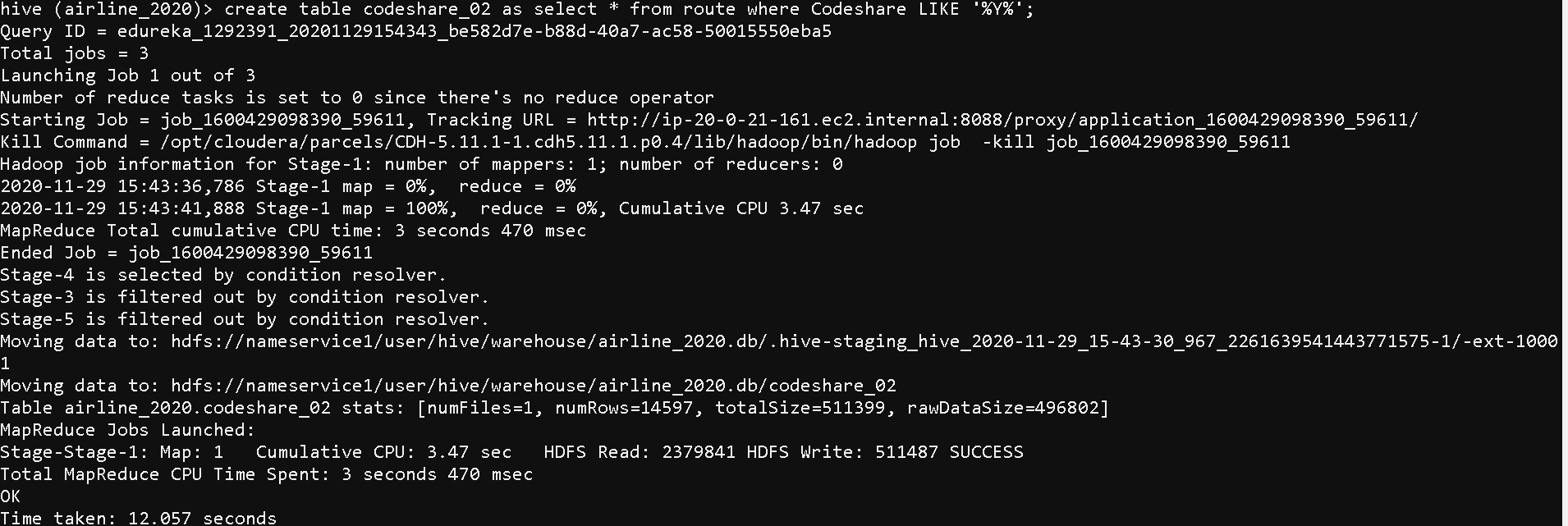


select \* from stop limit 10;

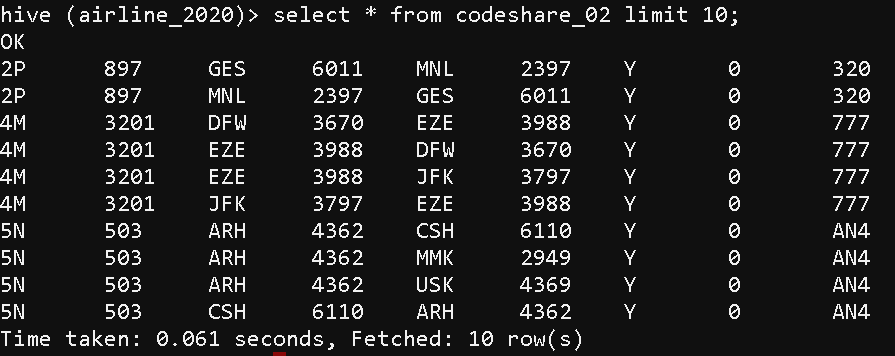


**c.List of Airlines operating with code share**

create table codeshare\_02 as select \* from route where Codeshare LIKE '%Y%';

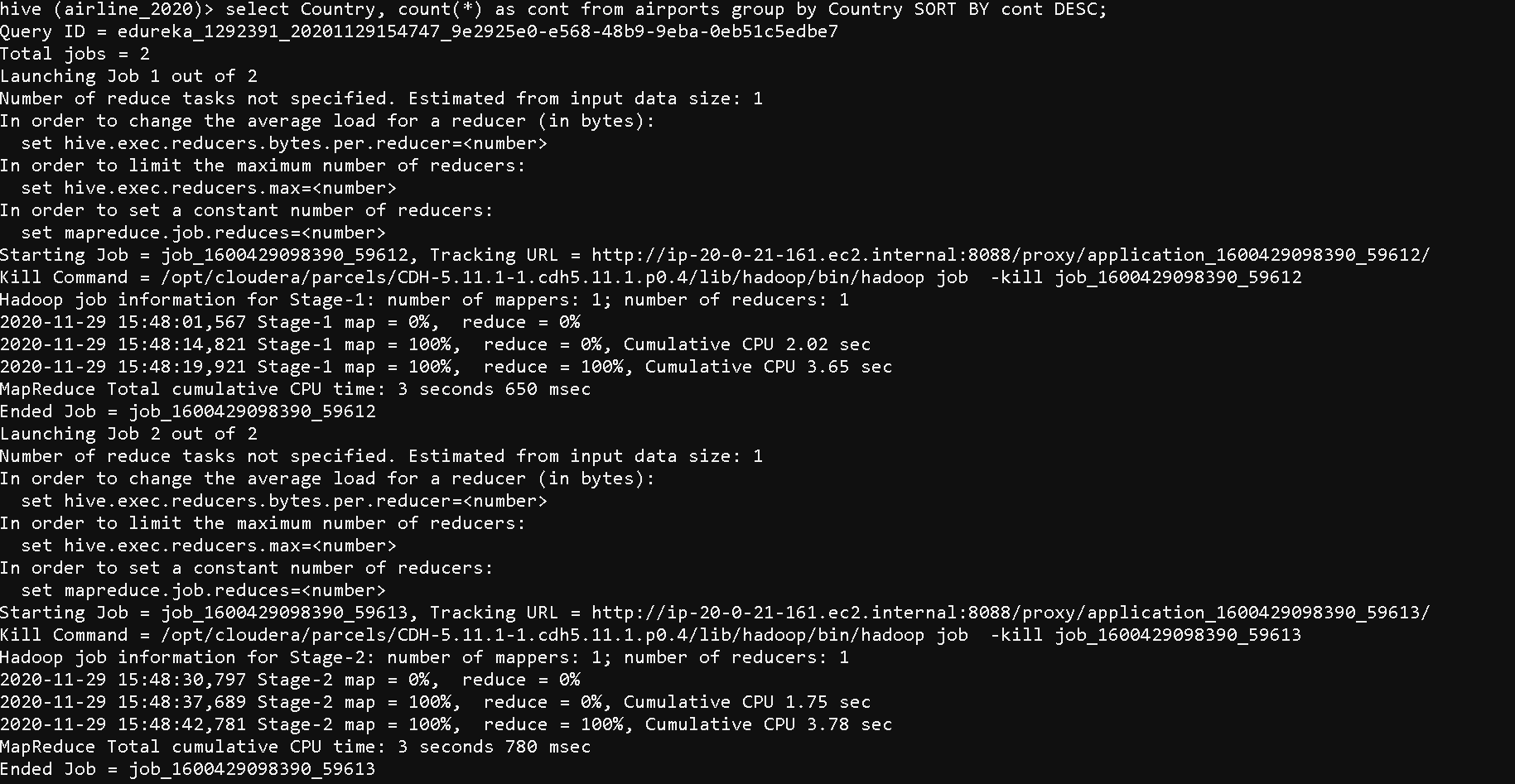


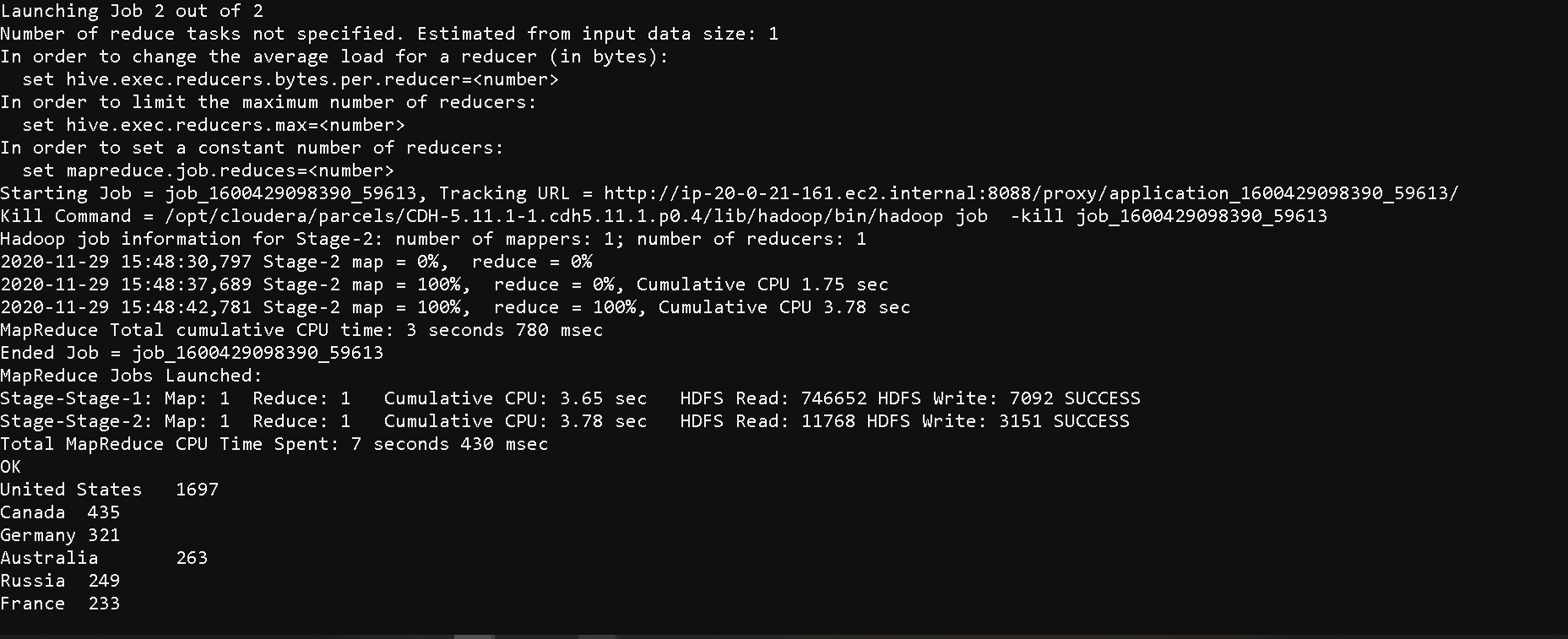
select \* from codeshare\_02 limit 10;



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

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





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

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

