**Hadoop Airlines Analysis Project with using HIVE**

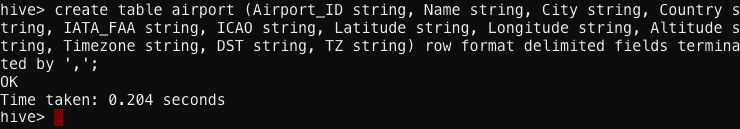
**Step 1:**

**Creating the new airport table for airports\_mod.dat dataset.**

**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 ‘,’;**

**Screenshot:**

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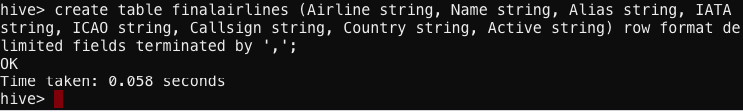
**Step 2:**

**Creating the new final airlines table for Final\_airlines dataset.**

**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 ‘,’;**

**Screenshot:**

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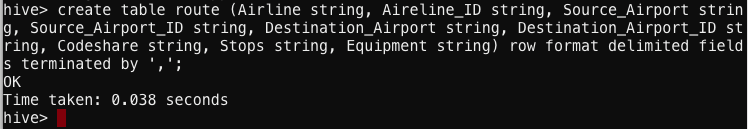
**Step 3:**

**Creating the new route table for routes.dat dataset.**

**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 ‘,’;**

**Screenshot:**

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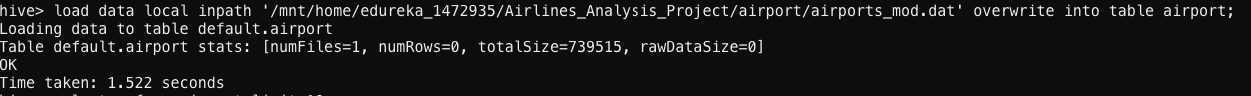
**Step 4:**

**Loading the dataset into airport table.**

**Command:**

**load data local inpath '/mnt/home/edureka\_1472935/Airlines\_Analysis\_Project/airport/airports\_mod.dat’ overwrite into table airport;**

**Screenshot:**

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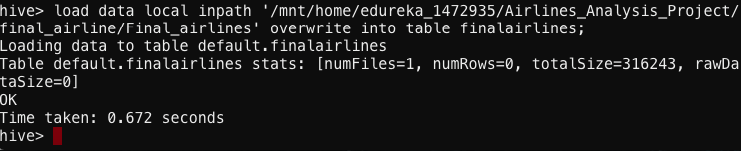
**Step 5:**

**Loading the dataset into finalairlines table.**

**Command:**

**load data local inpath '/mnt/home/edureka\_1472935/Airlines\_Analysis\_Project/final\_airline/Final\_airlines' overwrite into table finalairlines;**

**Screenshot:**

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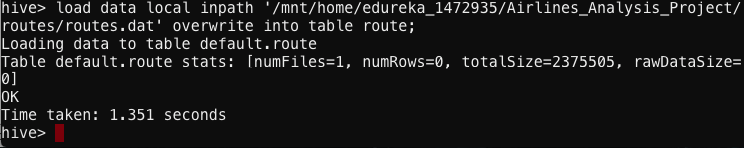
**Step 6:**

**Loading the dataset into route table.**

**Command:**

**load data local inpath '/mnt/home/edureka\_1472935/Airlines\_Analysis\_Project/routes/routes.dat' overwrite into table route;**

**Screenshot:**

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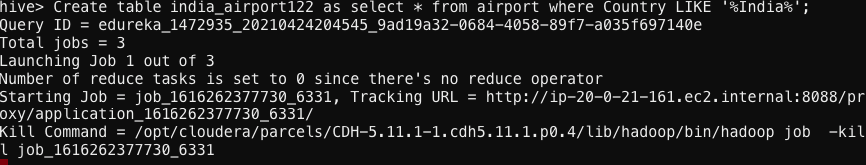
**Solutions:**

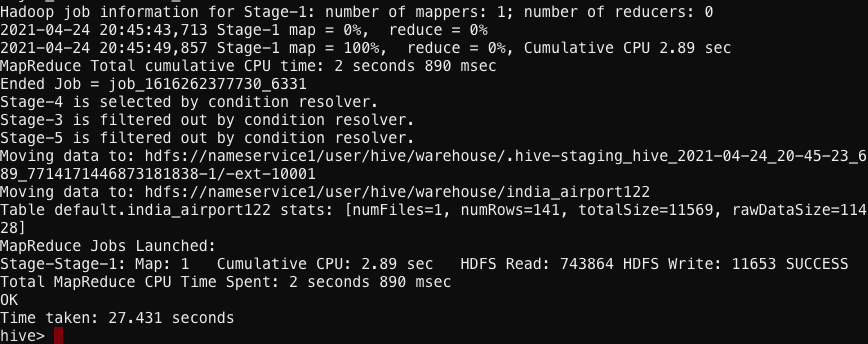
**A.Find list of Airports operating in the Country India**

**Command:**

**create table india\_airport122 as select \* from airport where Country LIKE '%India%';**

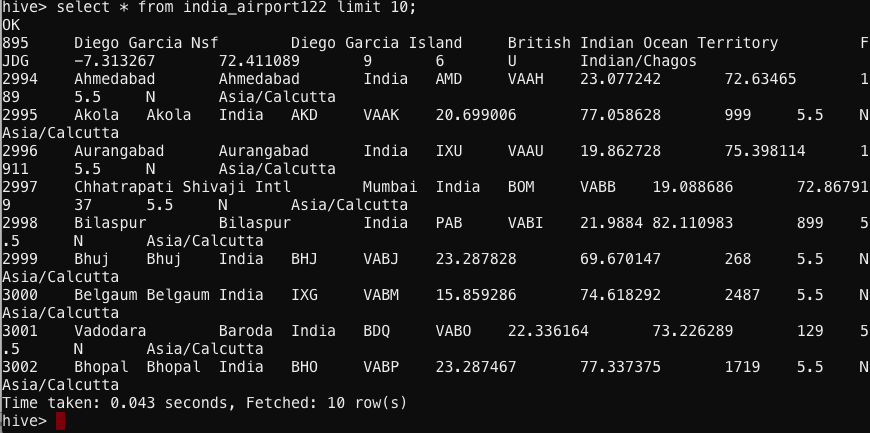
**Screenshot:**

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**Command:**

**Select \* from india\_airport122 limit 10; (to show the first 10 observation since we have a big dataset.)**

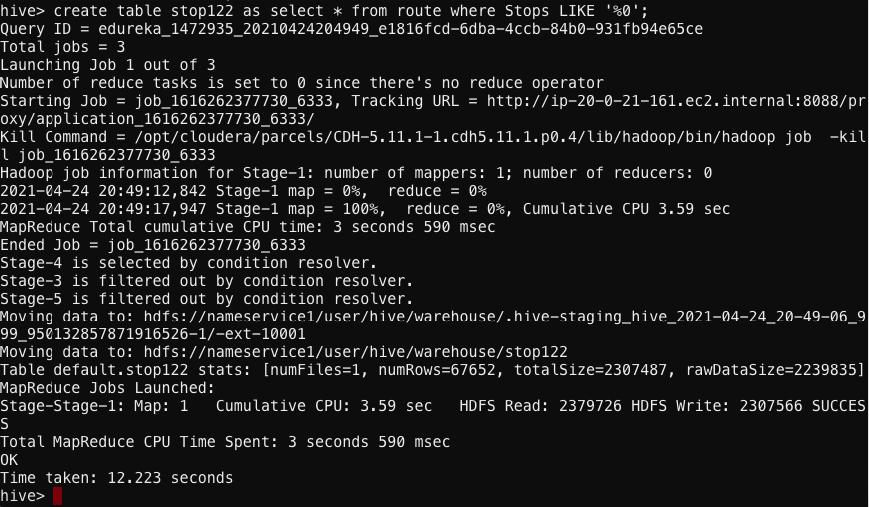
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**B. Find the list of Airlines having zero stops**

**Command:**

**Create table stop122 as select \* from route where Stops LIKE ‘%0’;**

**Screenshot:**

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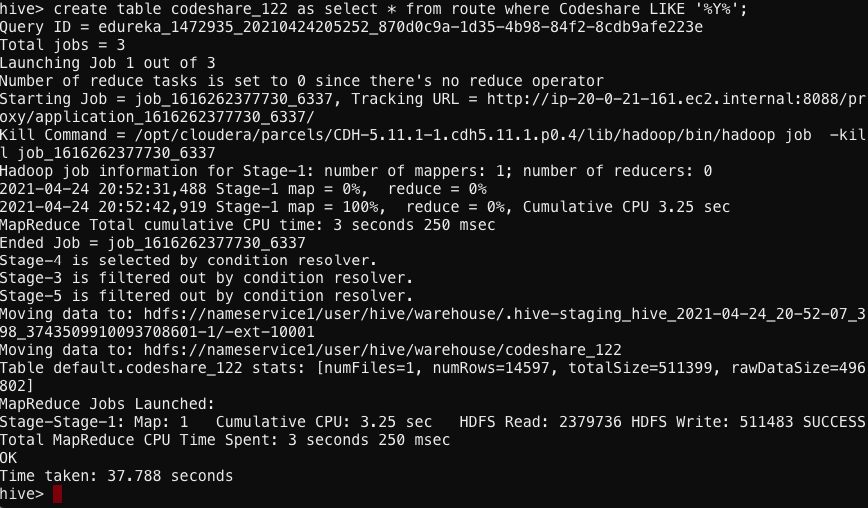
**Samples of 0 stop of the airline in the dataset.**

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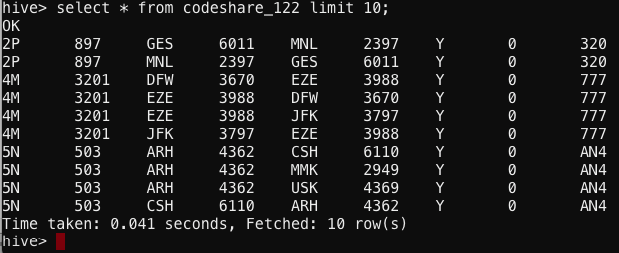
**C.List of Airlines operating with code share**

**Command:**

**Create table codeshare\_122 as select \* from route where Codeshare LIKE ‘%Y%;**

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**Examples:**

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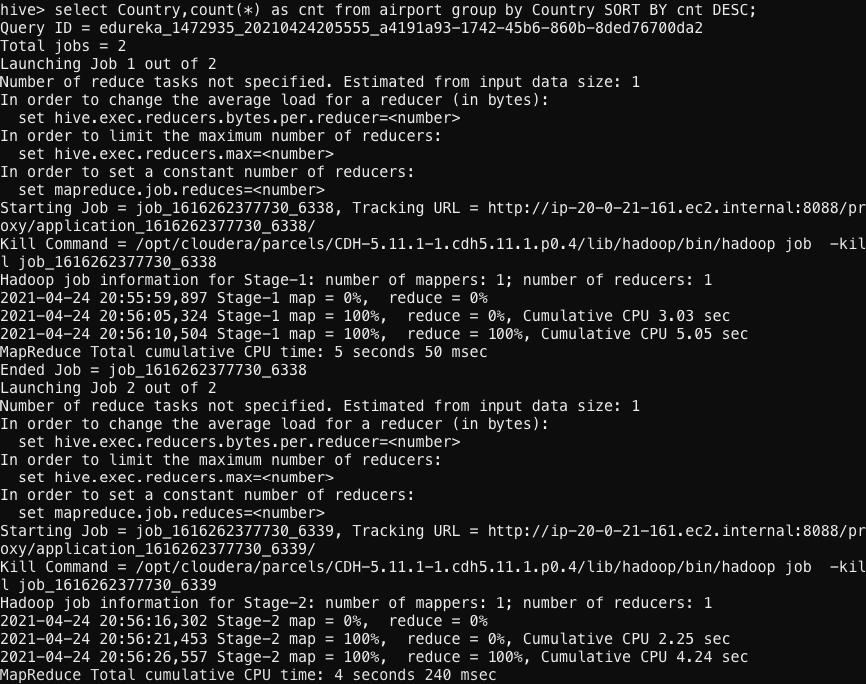
**D.Which country (or) territory having highest Airports**

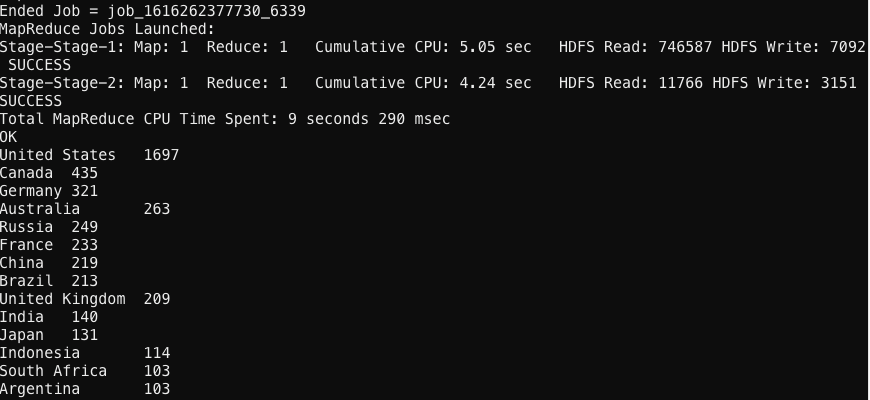
**Answer is United State of America.**

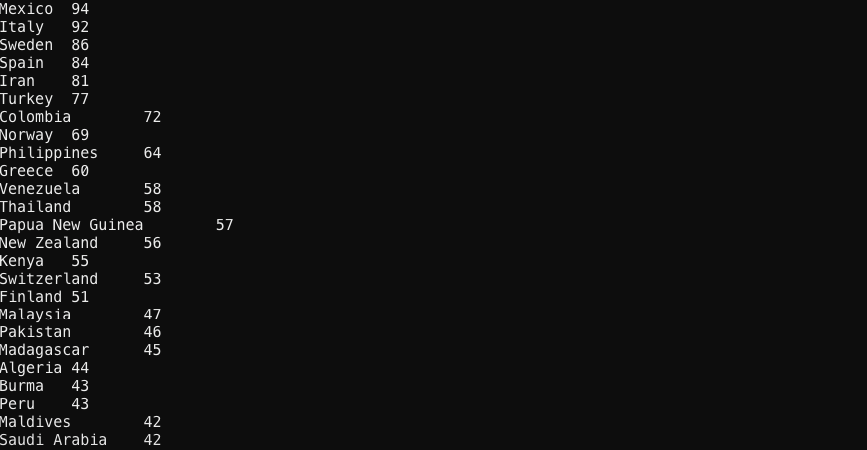
**Command:**

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

**Screenshot:**

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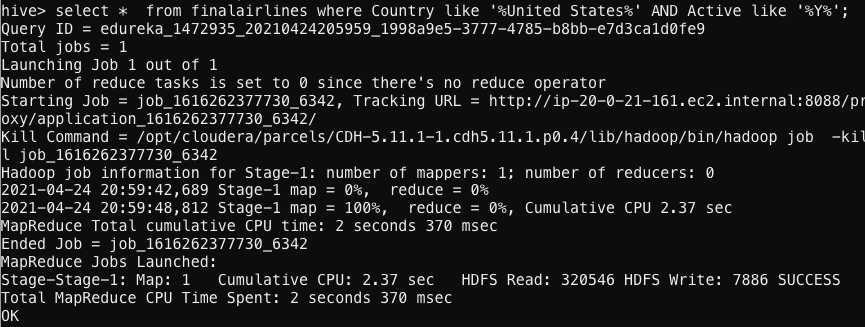
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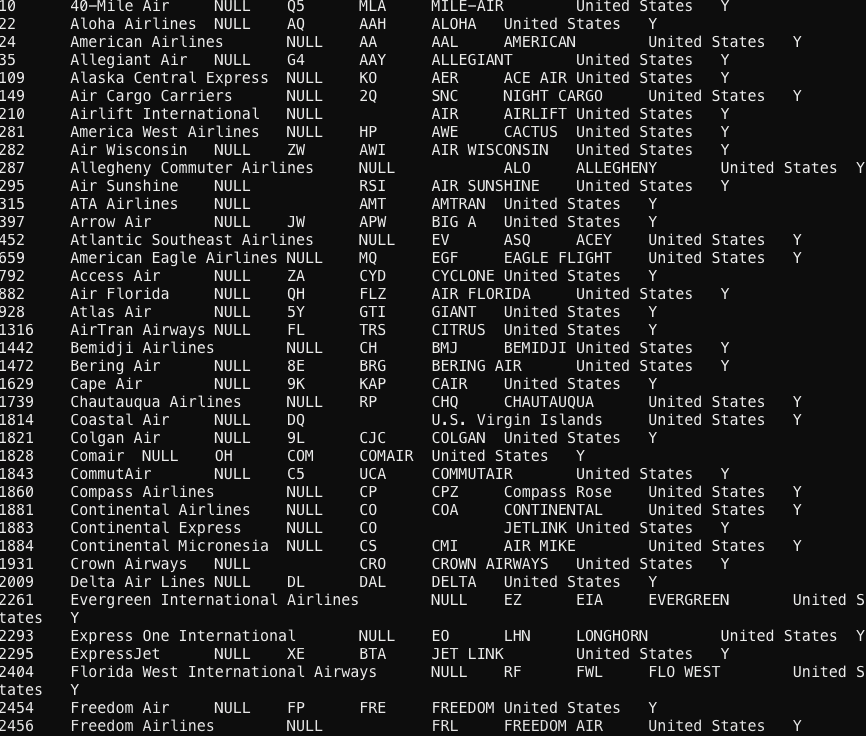
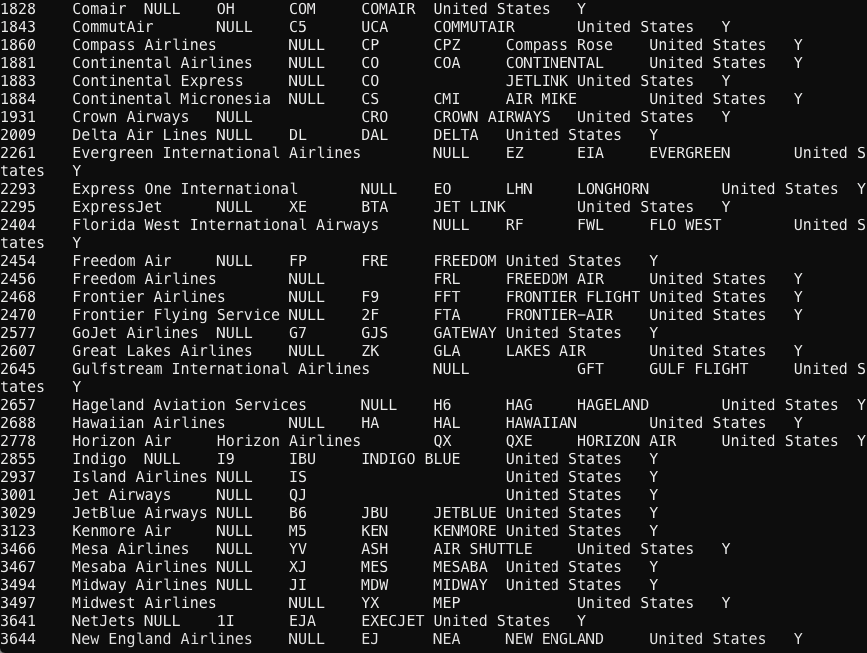
**E.Find the list of Active Airlines in United state**

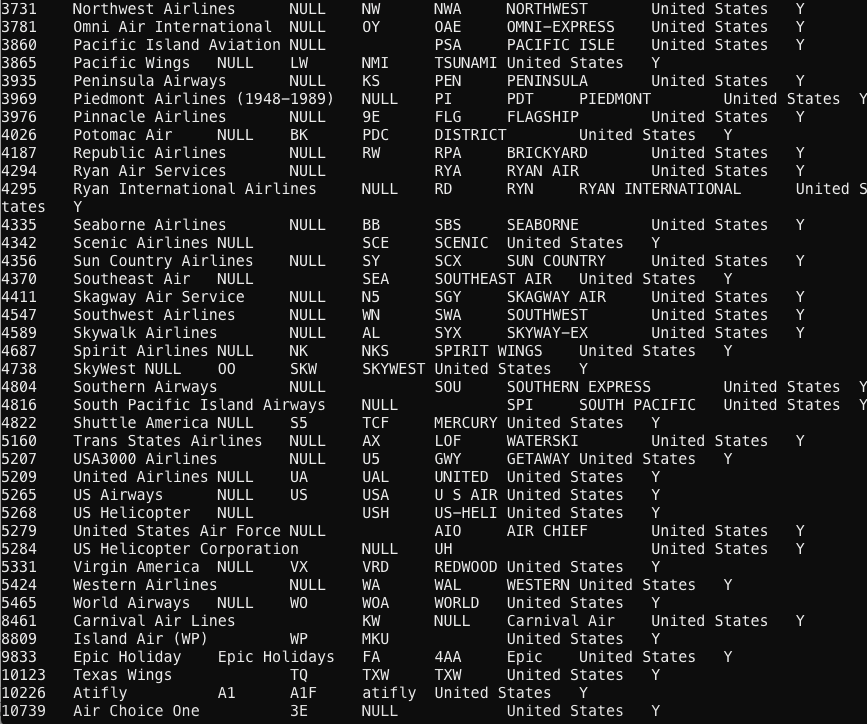
**Command:**

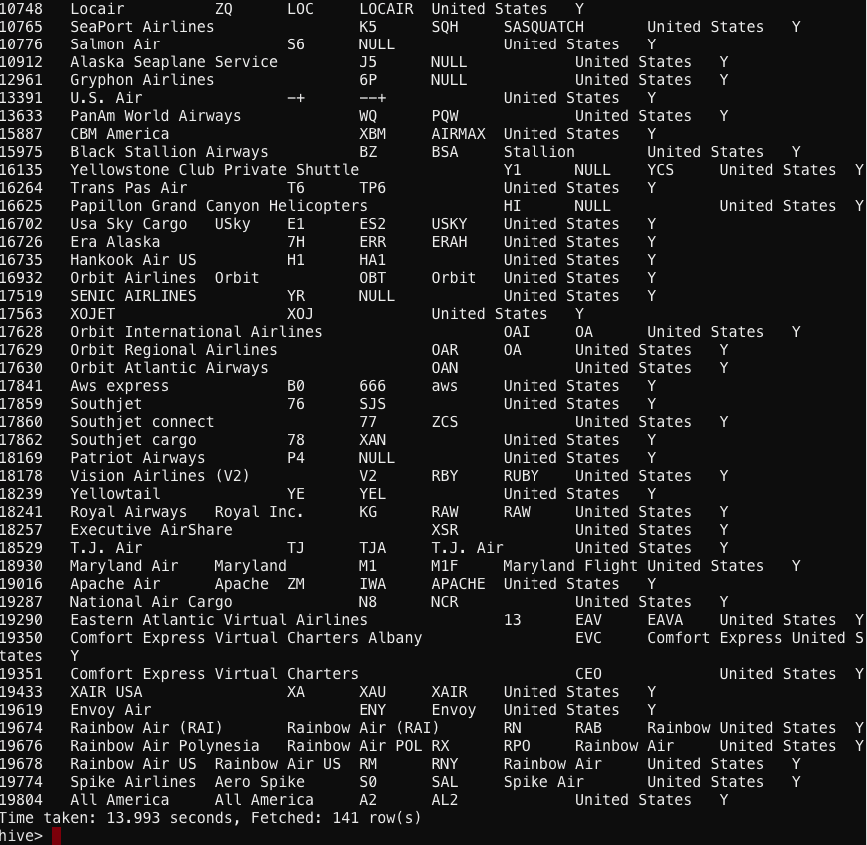
**select \* from finalairlines where Country like '%United States%' AND Active like '%Y%';**

**Screenshot:**

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