BIG DATA MODULE END EXAM

Name: Atharva Nagesh Jade

ID: 240840325017

Q.1

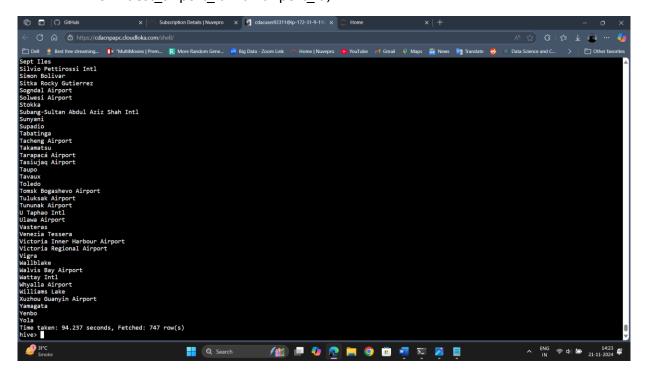
1]

select a.name from routes r join airports a

> on r.src airport id = a.airport id

> join airports a2

> on r.dest_airport_id = a2.airport_id;



2]

select equipment,count(*),src_airport_iata,dest_airport_iata

> from routes group by src_airport_iata,dest_airport_iata,equipment

> limit 10;

Used limit 10 because output was lengthy

```
| Comparison | Com
```

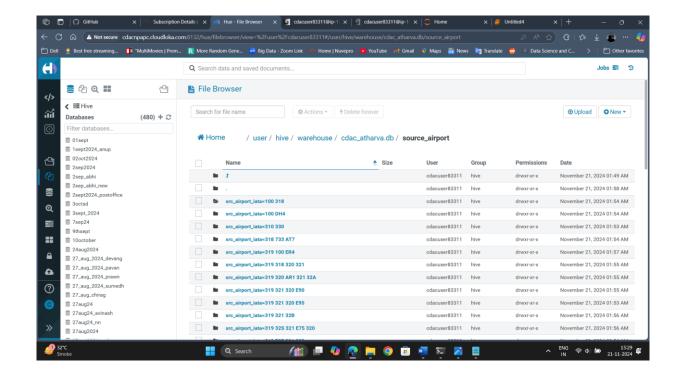
select count(al.airline_id),al.name from airlines al join routes r on a.airline_id = r.airline_id order by al.airline_id desc limit 1

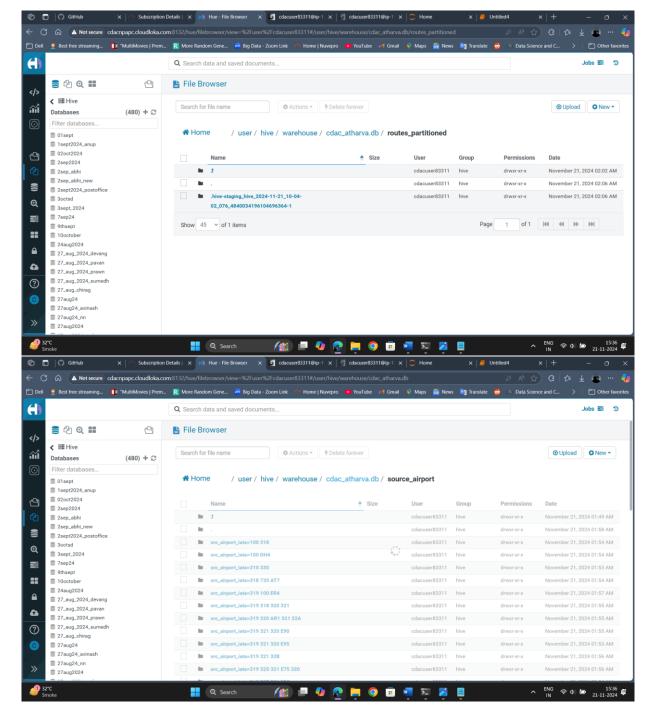
Question 2.

1]

create table Source_Airport(airline_iata string,airline_id int,src_airport_id int,dest_airport_iata string,dest_airport_id int,codeshare string,stops int,equipment string) partitioned by(src_airport_iata STRING) row format delimited fields terminated by ',' stored as textfile;

INSERT OVERWRITE TABLE Source_Airport PARTITION(src_airport_iata) select * from Routes r DISTRIBUTE By src_airport_iata;





Hive and Hue were taking time that's why I only added queries

create table routes_partitioned(airline_iata string,airline_id int,src_airport_id int,dest_airport_iata string,dest_airport_id int,codeshare string,stops int,equipment string) partitioned by(src_airport_iata STRING) row format delimited fields terminated by ',' stored as textfile;

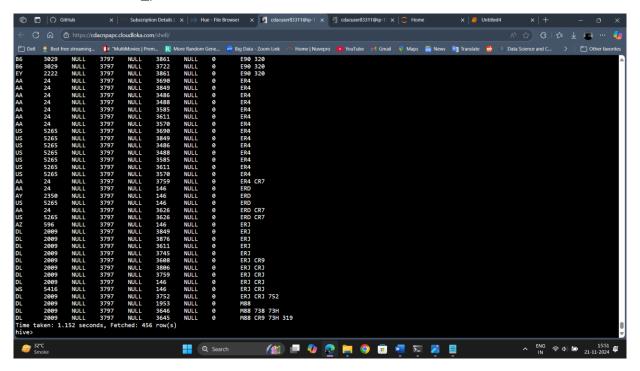
INSERT OVERWRITE TABLE routes_partitioned PARTITION(src_airport_iata) select * from Routes r

where src airport iata='JFK';

Select * from routes_partitioned where trim(lower(src_airport_iata))='lax';

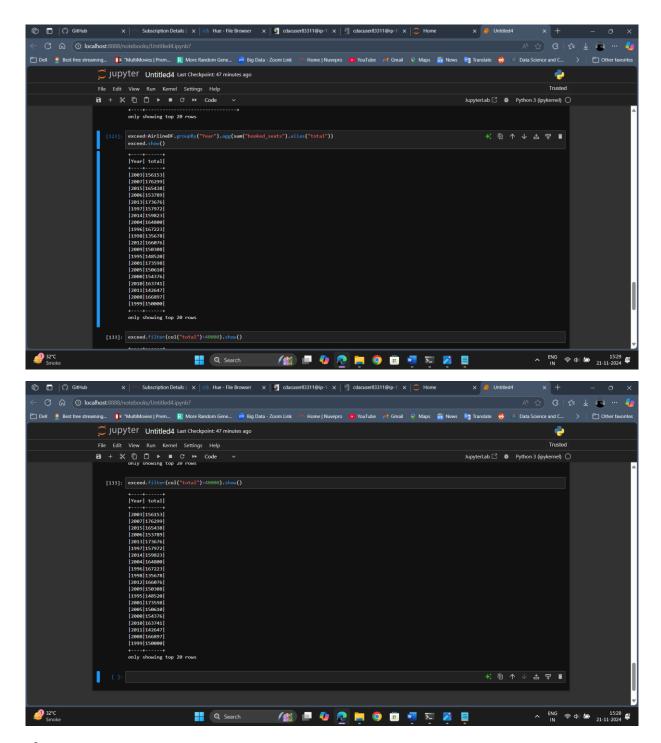
4]

Select *from routes_partitioned



SPARK

Question 1.



Question 2.

