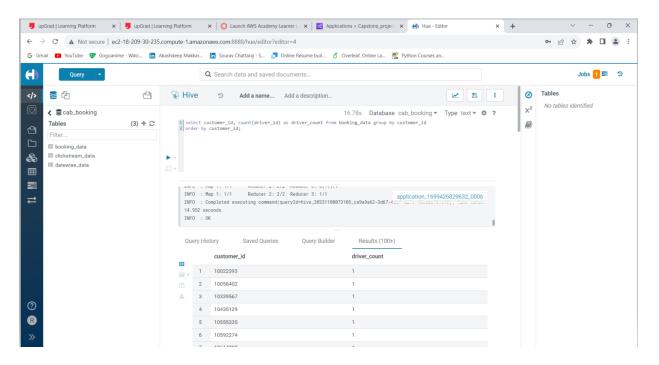




Queries

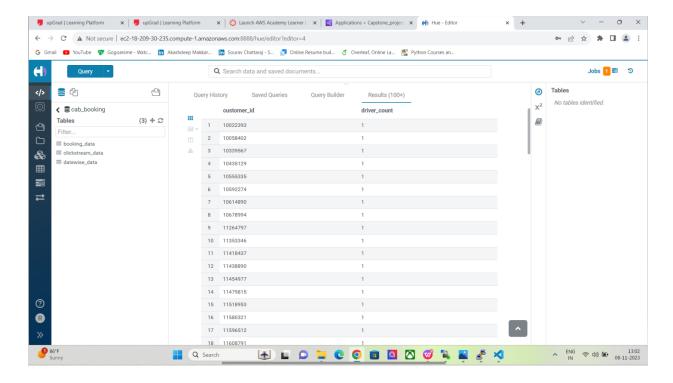
1. Hive Query for Task 5:- Calculate the total different drivers for each customer.

select customer_id, count(driver_id) as driver_count from booking_data group by customer_id order by customer_id;







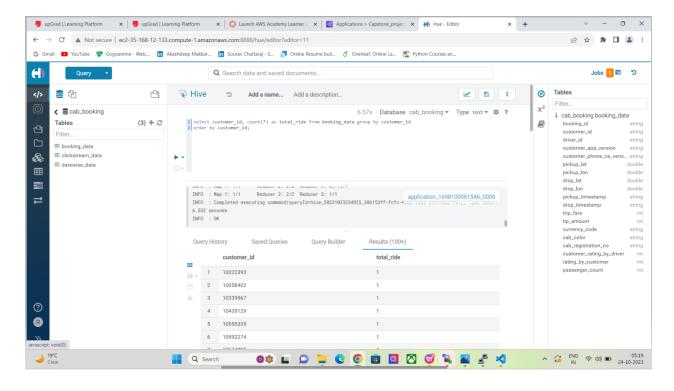


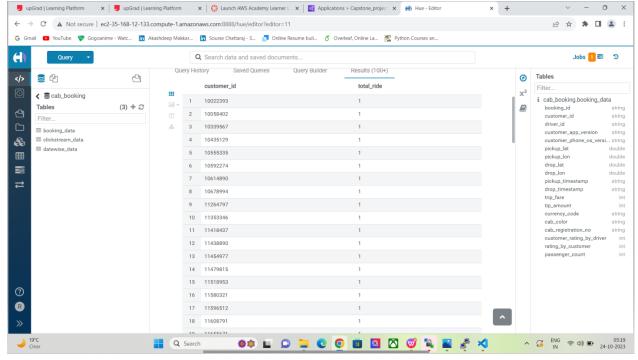
2. Hive Query for Task 6:- Calculate the total rides taken by each customer.

select customer_id, count(*) as total_ride from booking_data group by customer_id order by customer_id;













3. Hive Query for Task 7:-

Find total visits by each customer on the booking page and total 'Book Now' button press. This can show the conversion-ratio.

Booking page id is 'e7bc5fb2-1231-11eb-adc1-0242ac120002'

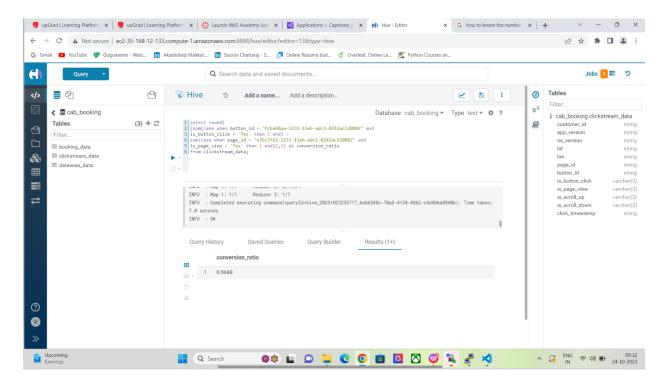
Book Now button id is 'fcba68aa-1231-11eb-adc1-0242ac120002'.

Also, calculate the conversion ratio as described in the Tasks segment.

select round(

(sum(case when button_id = "fcba68aa-1231-11eb-adc1-0242ac120002" and is_button_click = 'Yes' then 1 end) / sum(case when page_id = "e7bc5fb2-1231-11eb-adc1-0242ac120002" and is_page_view = 'Yes' then 1 end)),4) as conversion_ratio from clickstream_data;

Screenshot after executing Query:-



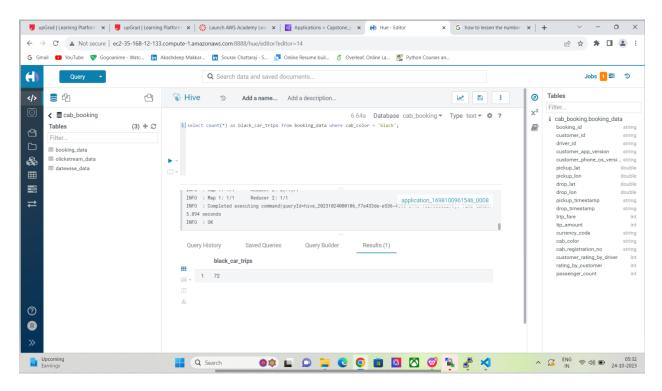
4. Hive Query for Task 8:- Calculate the count of all trips done on Black cabs.

select count(*) as black_car_trips from booking_data where cab_color = 'black';





Screenshot after executing Query:-

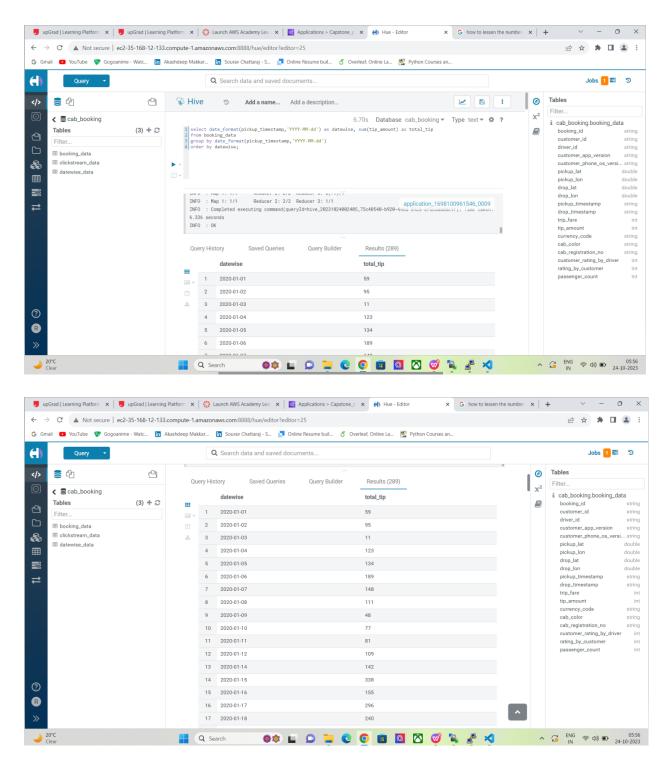


5. Hive Query for Task 9:- Calculate the total tip amount on a given date to all drivers by customers.

select date_format(pickup_timestamp,'YYYY-MM-dd') as datewise, sum(tip_amount) as total_tip from booking_data group by date_format(pickup_timestamp,'YYYY-MM-dd') order by datewise;





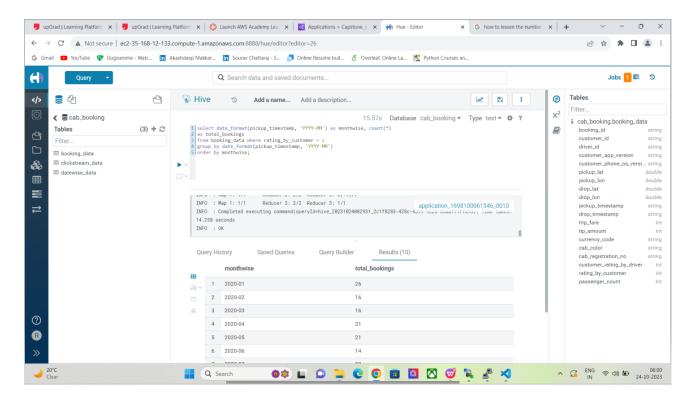






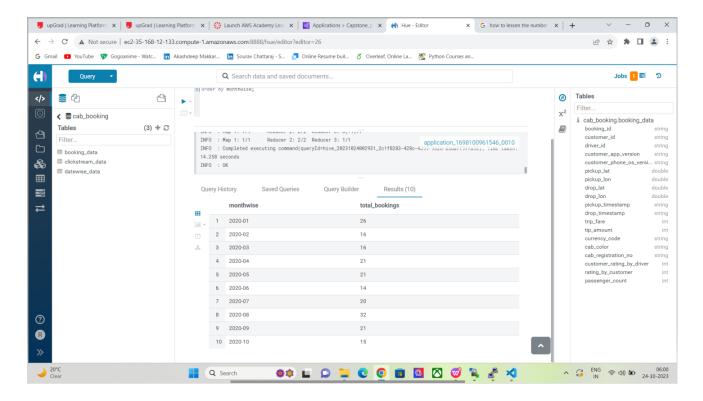
6. Hive Query for Task 10:- Calculate the count of all the bookings with a rating below 2 in a particular month.

select date_format(pickup_timestamp, 'YYYY-MM') as monthwise, count(*) as total_bookings from booking_data where rating_by_customer < 2 group by date_format(pickup_timestamp, 'YYYY-MM') order by monthwise;









7. Hive Query for Task 11:- Calculate the count of total iOS users.

select count(*) AS TOTAL_USERS from clickstream_data where os_version = 'iOS';





