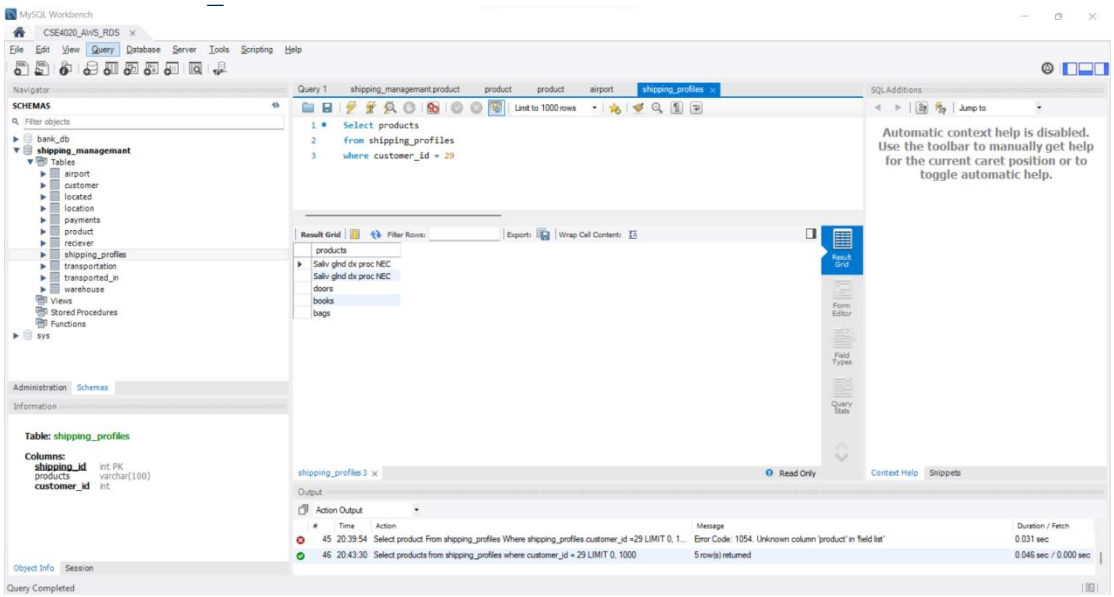
Airport(airport_id, air_name, city,country)
Customer(customer_id, name, number, email, address)
Located(product_id, location_id)
Location(location_id, area_details, city, pincode, date_of_arrival, date_of_disperse)
Payments(payment_id, payment_type, amount, customer_id, product_id)
Product(product_id, date_and_time, product_details,pref_trans, customer_id, receiver_id)
Receiver(receiver_id, name, address, phone_number)
Shipping_profile(shipping_id, product_name, customer_id)
Transportation(trans_id, trans_from, trans_to, type_trans, time_date, product_id)
Transported_in(location_id, trans_id)
Warehouse(warehouse_id, address, phone_num)

1. **Find the history of shipping for a particular customer. One history of an indivisional and another history of a company**

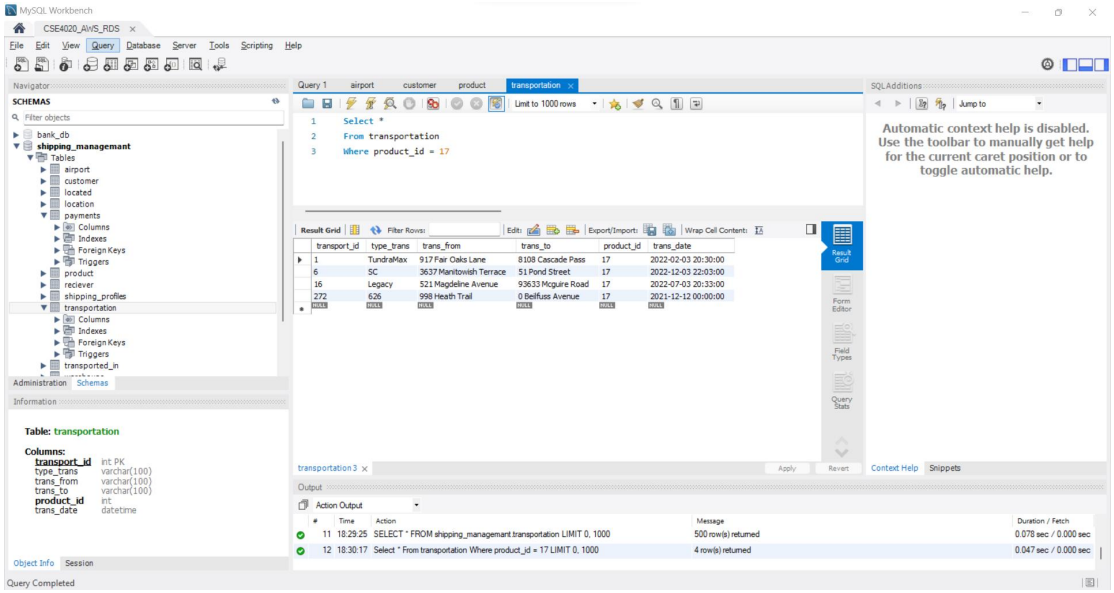
```
Select products
from shipping_profiles
where customer_id = 29
```



Here in this we have took the history of customer_id 29 and we just collected the shipping particles by him

2. Find the order tracking info for a particular package.

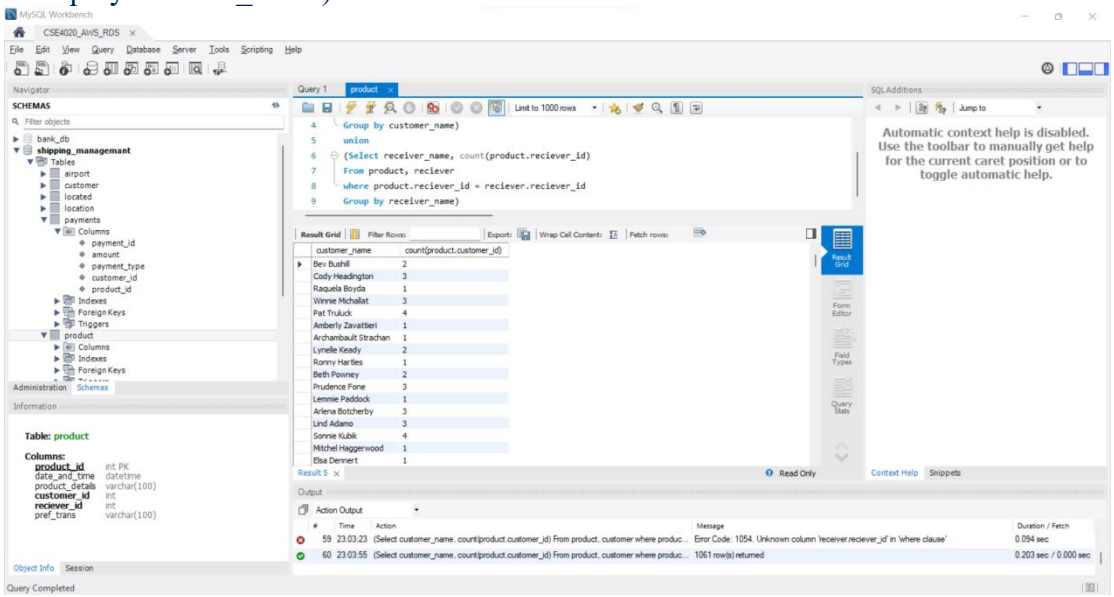
```
Select *
From transportation
Where product_id = 17
```



In the above table we can see that how the location of a particular product at every instant of time is given. that's what we are looking for.

3. Find the customer, companies or individuals, names with the total number of the shipped packages and the total number of the received packets. The results are grouped by the customer name.

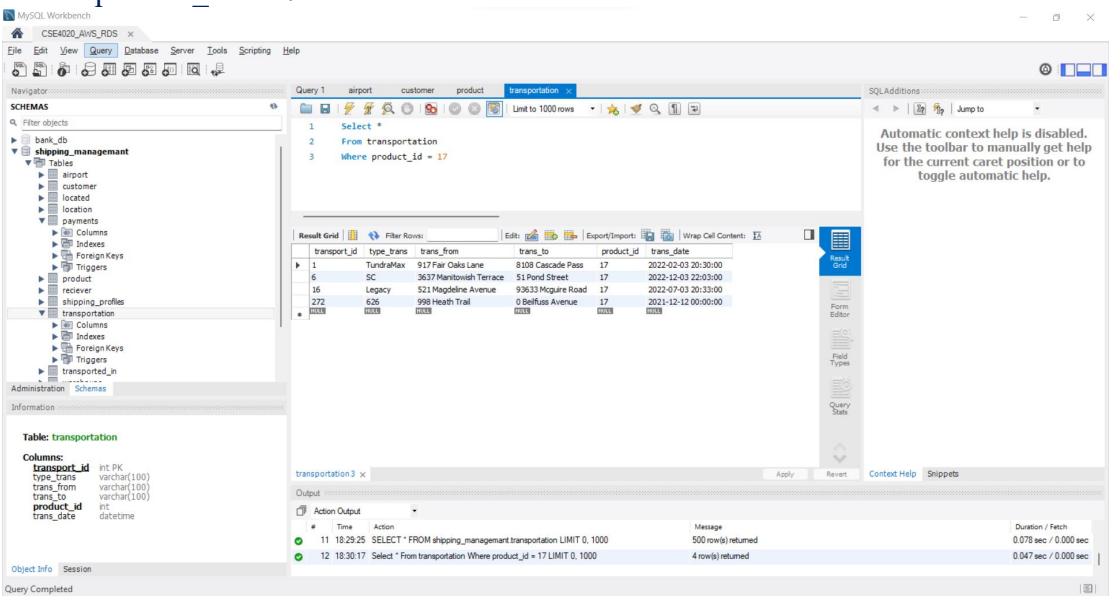
```
(Select customer_name, count(product.customer_id)
From product, customer
where product.customer_id = customer.customer_id
Group by customer_name)
union
(Select receiver_name, count(product.reciever_id)
From product, reciever
where product.reciever_id = reciever.reciever_id
Group by receiver_name)
```



Here are the given names of every customer that how many packages they have and sent and also received. Here we just took only one table by combination of receiver and customer who sends because we just took names also unique.

4. Find the locations information of a specific package.

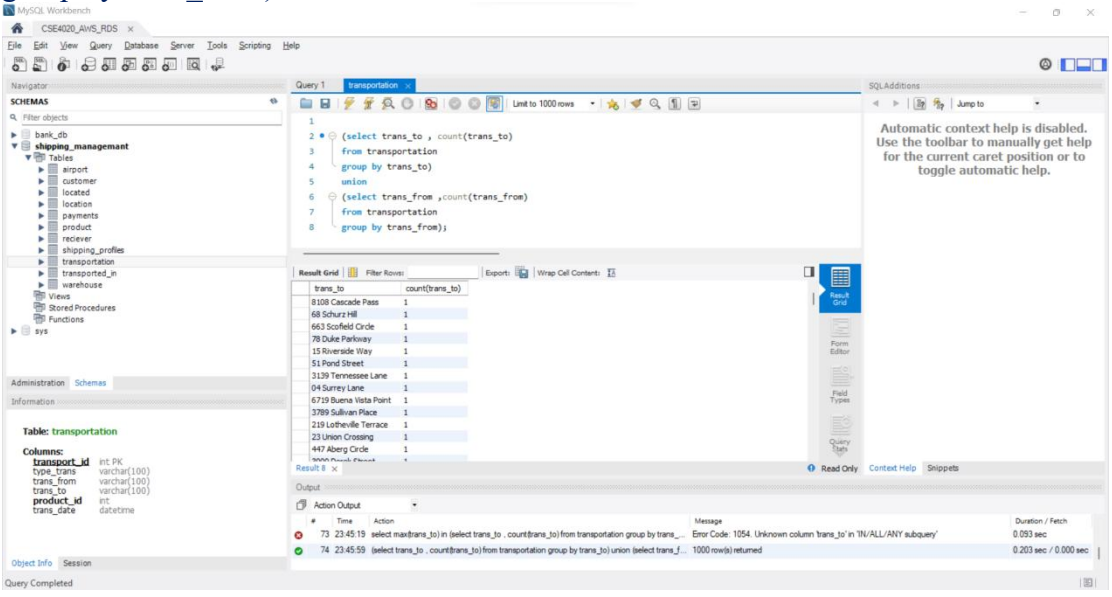
```
Select *
From transportation
Where product_id = 17
```



Here is the specific information of product_id 17. where it have been traveled and the time shows us where it is now.

5. Find the locations used the most in shipping in every category (trucks, planes, airports, or warehouses).

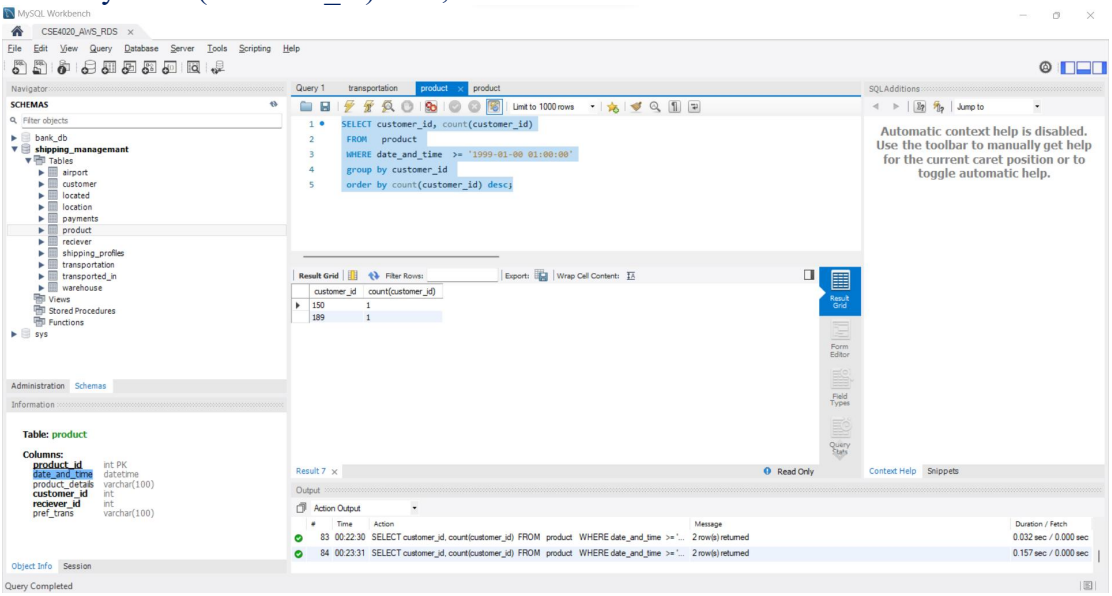
```
(select trans_to , count(trans_to)
from transportation
group by trans_to)
union
(select trans_from ,count(trans_from)
from transportation
group by trans_from);
```



In this question we should have get the other outputs if we can use the same location from different places. The table we have has unique locations. We cannot able to figure it out which one has more number of usage

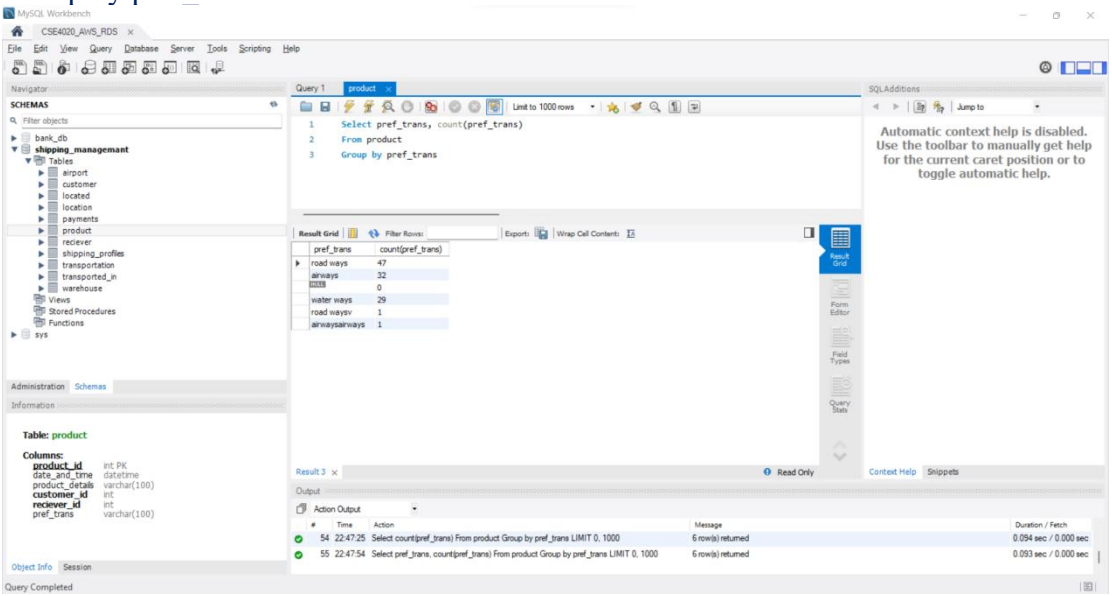
6. Find the customer information on who has shipped the most packages since a specific date.

```
SELECT customer_id, count(customer_id)
 FROM   product
 WHERE date_and_time  >= '1999-01-00 01:00:00'
 group by customer_id
 order by count(customer_id) desc;
```



7. Find the most preferred shipping carrier for customers.

```
Select pref_trans, count(pref_trans)
From product
Group by pref_trans
```



8. Find all packages that range between $5 and $10.

```
Select product_id
From payments
```

Where amount between 5 and 10