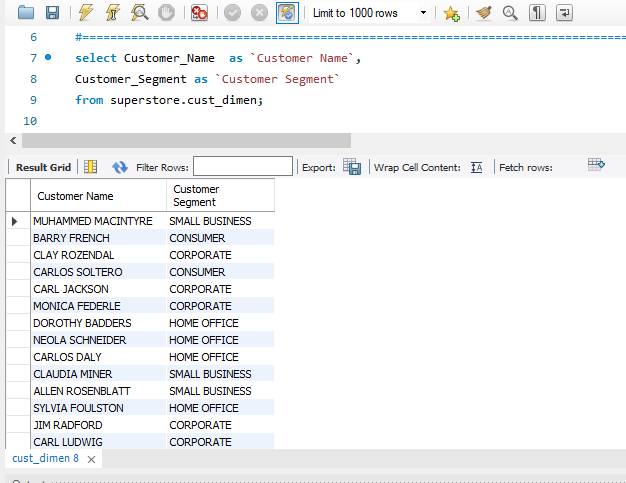
1. **Write a query to display the Customer\_Name and Customer Segment using alias name “Customer Name", "Customer Segment" from table Cust\_dimen.**

select Customer\_Name as `Customer Name`,

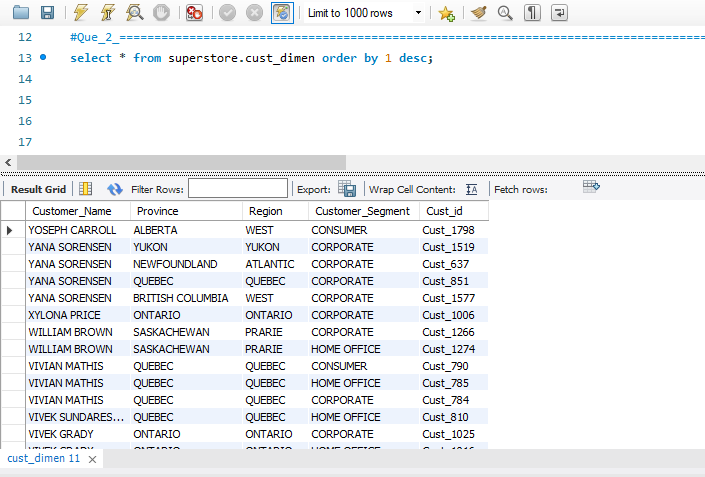
Customer\_Segment as `Customer Segment`

from superstore.cust\_dimen;



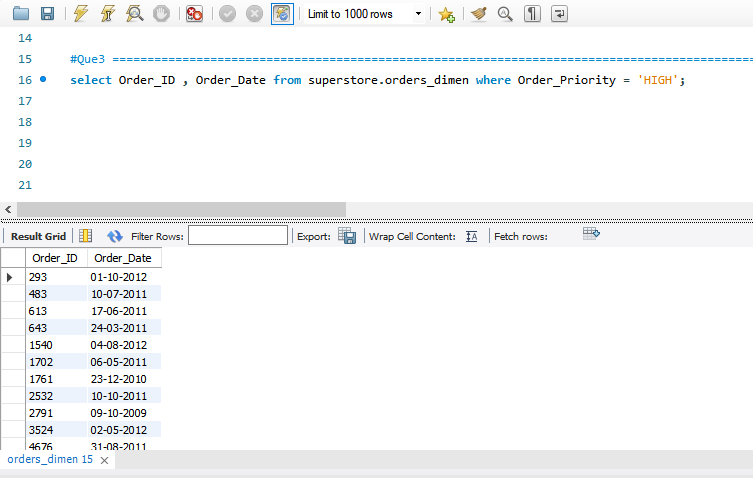
1. **Write a query to find all the details of the customer from the table cust\_dimen order by desc.**

select \* from superstore.cust\_dimen order by 1 desc;



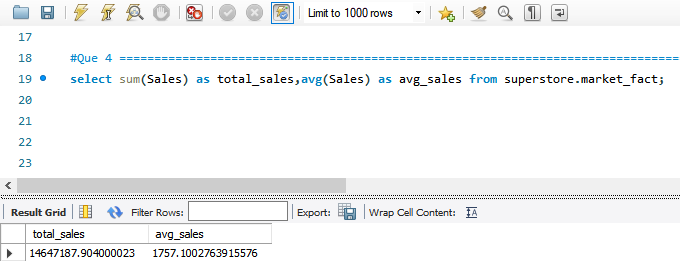
1. **Write a query to get the Order ID, Order date from table orders\_dimen where ‘Order Priority’ is high.**

select Order\_ID , Order\_Date from superstore.orders\_dimen where Order\_Priority = 'HIGH';



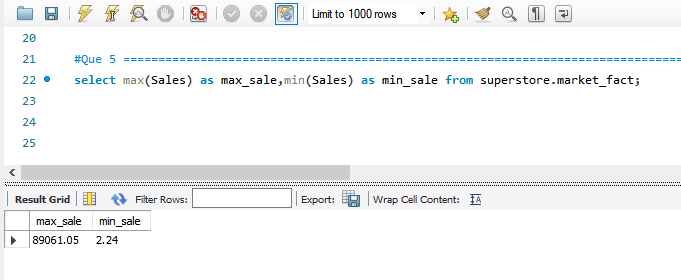
1. **Find the total and the average sales (display total\_sales and avg\_sales)**

select sum(Sales) as total\_sales,avg(Sales) as avg\_sales from superstore.market\_fact;



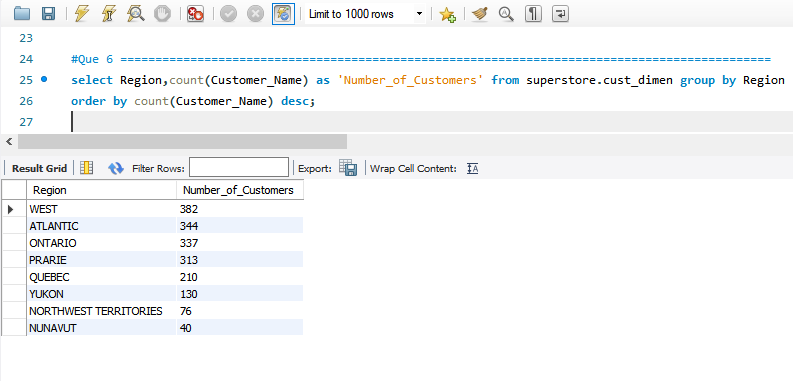
1. **Write a query to get the maximum and minimum sales from maket\_fact table**

select max(Sales) as max\_sale,min(Sales) as min\_sale from superstore.market\_fact;



1. **Display the number of customers in each region in decreasing order of no\_of\_customers. The result should contain columns Region, no\_of\_customers.**

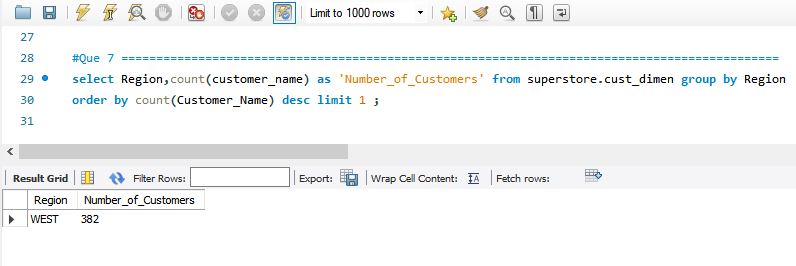
select Region,count(Customer\_Name) as 'Number\_of\_Customers' from superstore.cust\_dimen group by Region order by count(Customer\_Name) desc;



1. **Find the region having maximum customers (display the region name and max(no\_of\_customers)**

select Region,count(customer\_name) as 'Number\_of\_Customers' from superstore.cust\_dimen group by Region

order by count(Customer\_Name) desc limit 1 ;



1. **Find all the customers from Atlantic region who have ever purchased ‘TABLES’ and the number of tables purchased (display the customer name, no\_of\_tables purchased)**

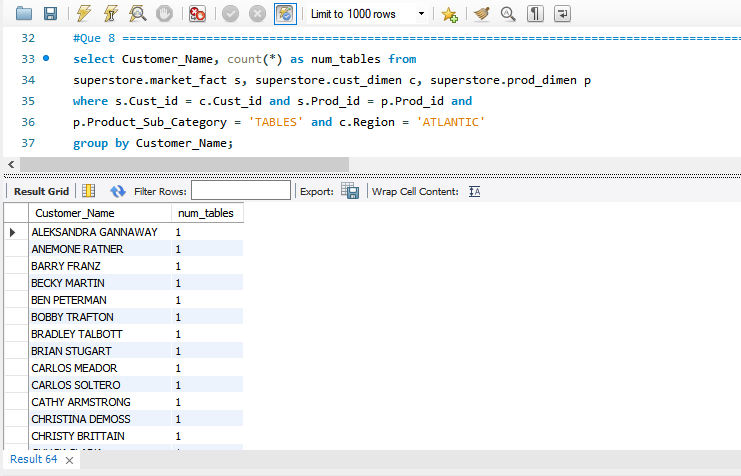
select Customer\_Name, count(\*) as num\_tables from

superstore.market\_fact s, superstore.cust\_dimen c, superstore.prod\_dimen p

where s.Cust\_id = c.Cust\_id and s.Prod\_id = p.Prod\_id and

p.Product\_Sub\_Category = 'TABLES' and c.Region = 'ATLANTIC'

group by Customer\_Name;

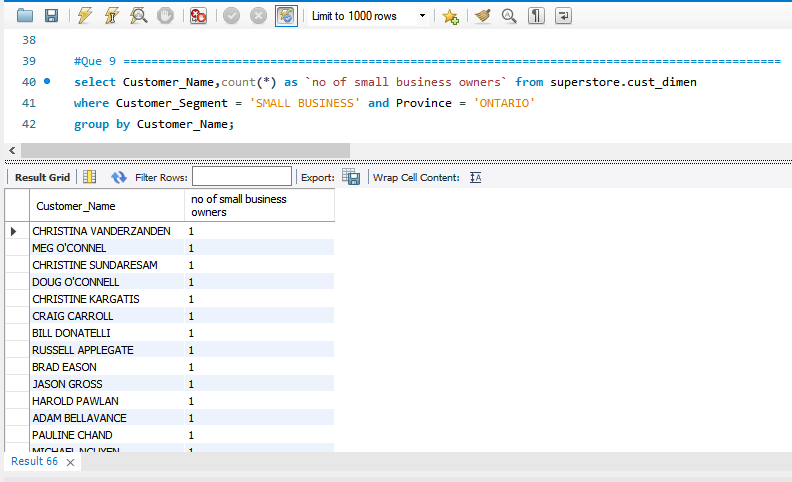


1. **Find all the customers from Ontario province who own Small Business. (display the customer name, no of small business owners)**

select Customer\_Name,count(\*) as `no of small business owners` from superstore.cust\_dimen

where Customer\_Segment = 'SMALL BUSINESS' and Province = 'ONTARIO'

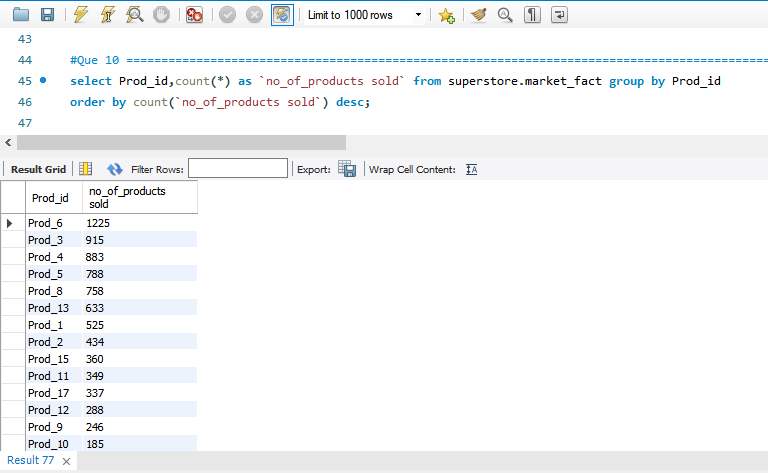
group by Customer\_Name;



1. **Find the number and id of products sold in decreasing order of products sold (display product id, no\_of\_products sold)**

select Prod\_id,count(\*) as `no\_of\_products sold` from superstore.market\_fact group by Prod\_id

order by count(`no\_of\_products sold`) desc;

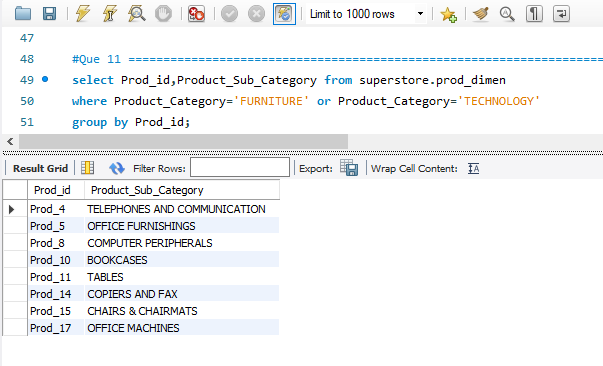


1. **Display product Id and product sub category whose produt category belongs to Furniture and Technlogy. The result should contain columns product id, product sub category.**

select Prod\_id,Product\_Sub\_Category from superstore.prod\_dimen

where Product\_Category='FURNITURE' or Product\_Category='TECHNOLOGY'

group by Prod\_id;

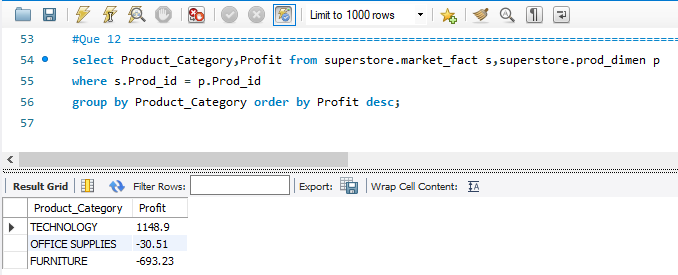


1. **Display the product categories in descending order of profits (display the product category wise profits i.e. product\_category, profits)?**

select Product\_Category,Profit from superstore.market\_fact s,superstore.prod\_dimen p

where s.Prod\_id = p.Prod\_id

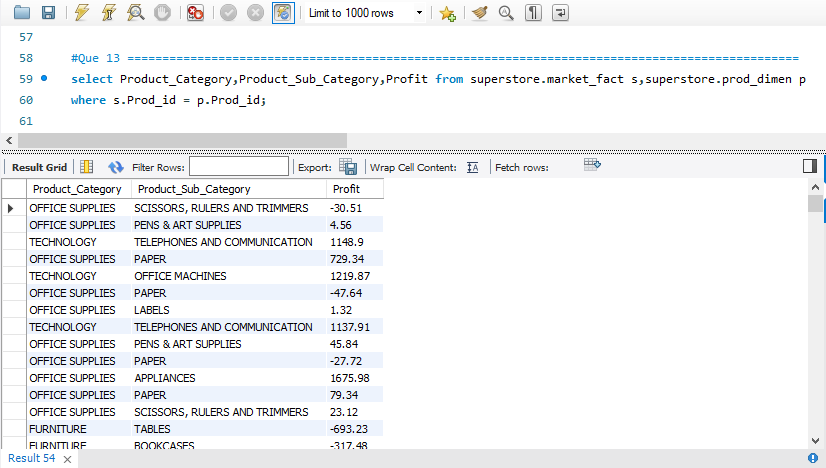
group by Product\_Category order by Profit desc;



1. **Display the product category, product sub-category and the profit within each subcategory in three columns.**

select Product\_Category,Product\_Sub\_Category,Profit from superstore.market\_fact s,superstore.prod\_dimen p

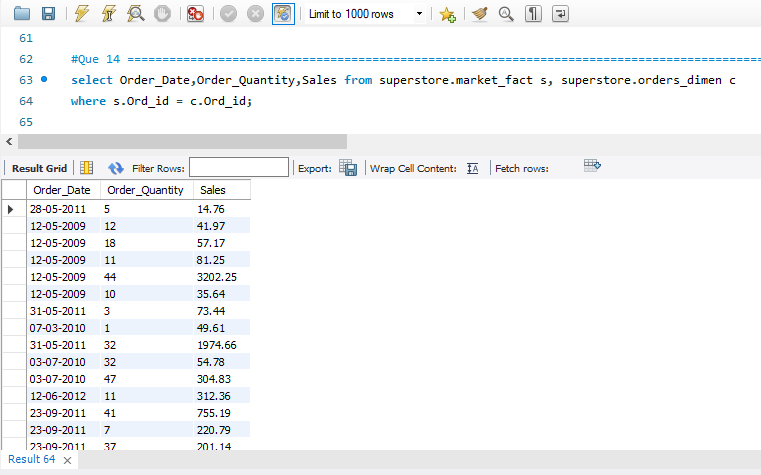
where s.Prod\_id = p.Prod\_id;



1. **Display the order date, order quantity and the sales for the order.**

select Order\_Date,Order\_Quantity,Sales from superstore.market\_fact s, superstore.orders\_dimen c

where s.Ord\_id = c.Ord\_id;



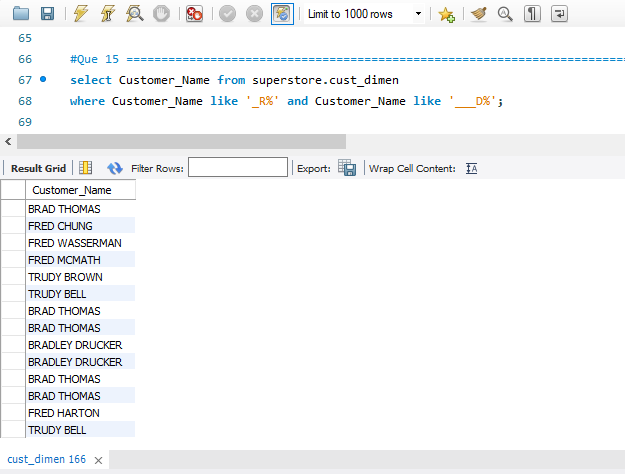
1. **Display the names of the customers whose name contains the**

**i) Second letter as ‘R’**

**ii) Fourth letter as ‘D’**

select Customer\_Name from superstore.cust\_dimen

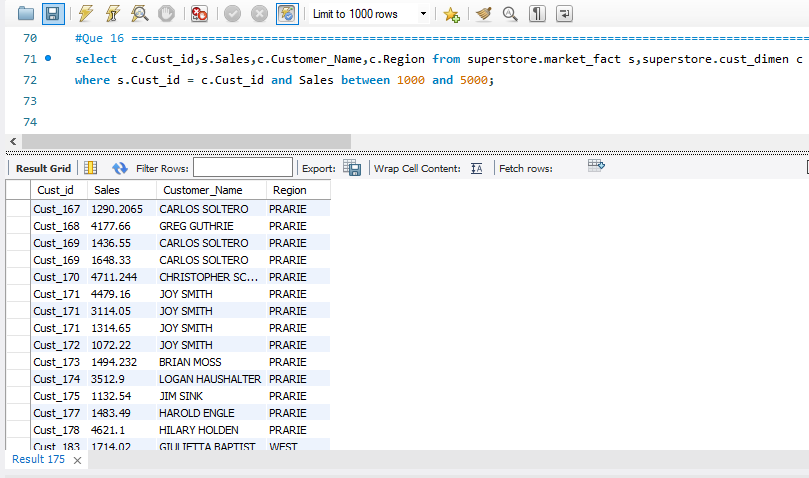
where Customer\_Name like '\_R%' and Customer\_Name like '\_\_\_D%';



1. **Write a SQL query to to make a list with Cust\_Id, Sales, Customer Name and their region where sales are between 1000 and 5000.**

select c.Cust\_id,s.Sales,c.Customer\_Name,c.Region from superstore.market\_fact s,superstore.cust\_dimen c

where s.Cust\_id = c.Cust\_id and Sales between 1000 and 5000;



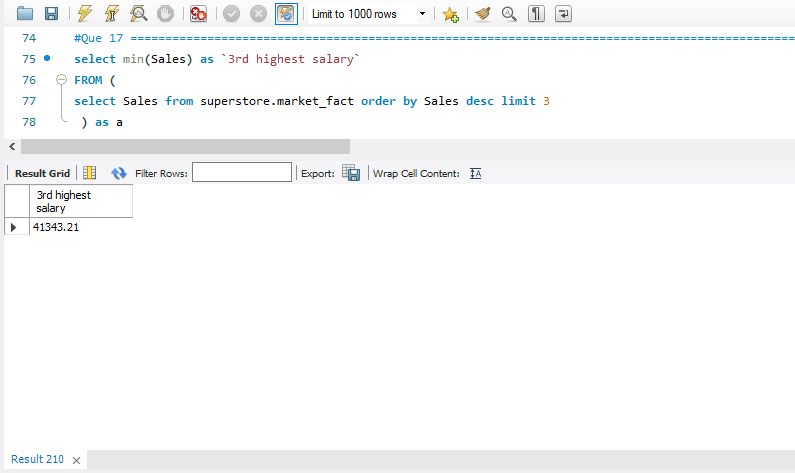
1. **Write a SQL query to find the 3rd highest sales.**

select min(Sales) as `3rd highest salary`

FROM (

select Sales from superstore.market\_fact order by Sales desc limit 3

) as a



1. **Where is the least profitable product subcategory shipped the most? For the least profitable product sub-category, display the region-wise no\_of\_shipments and the profit made in each region in decreasing order of profits (i.e. region, no\_of\_shipments, profit\_in\_each\_region) → Note: You can hardcode the name of the least profitable product subcategory**

select Region,count(Ship\_id) as no\_of\_shipment,sum(Profit) as profit\_in\_each\_region from

superstore.cust\_dimen c,superstore.market\_fact s,superstore.prod\_dimen p

where c.Cust\_id = s.Cust\_id and s.Prod\_id = p.Prod\_id

group by Region

order by profit\_in\_each\_region asc;

