ASSIGNMENT NO 1

SUPERSTORES EXERCISE:

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

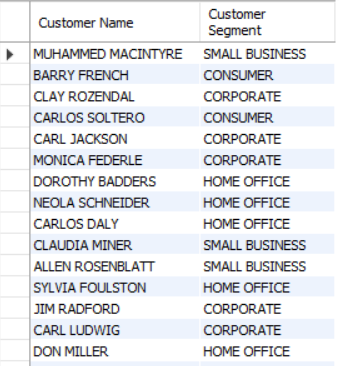
Query:

select Customer\_Name as "Customer Name",

Customer\_Segment as " Customer Segment"

from cust\_dimen;

output:



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

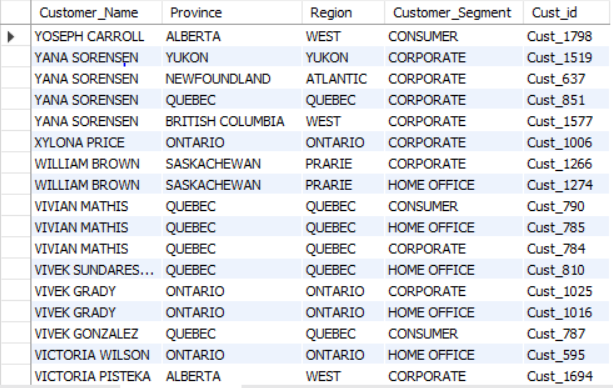
Query:

select \*

from cust\_dimen

order by customer\_Name DESC;

Output:



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

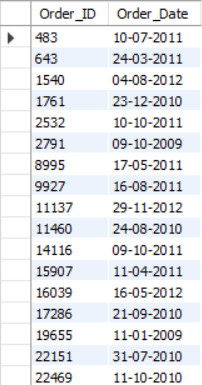
Query:

select Order\_ID,Order\_Date,

from orders\_dimen

where order\_Priority = "high";

Output:



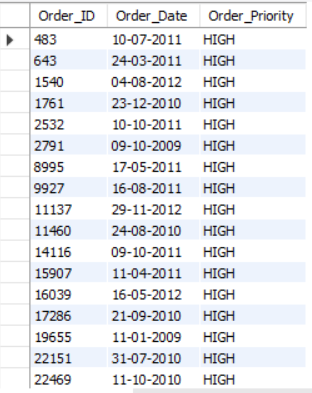
Query:

select Order\_ID,Order\_Date,Order\_Priority

from orders\_dimen

where order\_Priority = "high";

Output:



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

Query:

select sum(sales) as Total\_sales,

Avg(sales) as Avg\_sales

from market\_fact;

Output:



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

Query:

select max(sales)as maiximum\_sales,

min(sales)as minimum\_sales

from market\_fact;

Output:

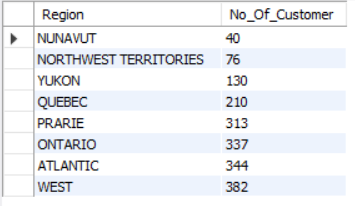


6. Display the number of customers in each region in decreasing order of no\_of\_customers. The result should contain columns Region, no\_of\_customers.

Query:

select Region,count(\*)"No\_Of\_Customer" from cust\_dimen group by region order by No\_Of\_Customer;

Output:



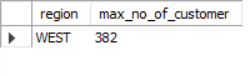
7. Find the region having maximum customers (display the region name and max(no\_of\_customers)

Query:

select region,count(\*)" max\_no\_of\_customer" from cust\_dimen group by region

having max\_no\_of\_customer >= all (select count(\*)"max\_no\_of\_customer" from cust\_dimen group by region);

Output:



8. 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)

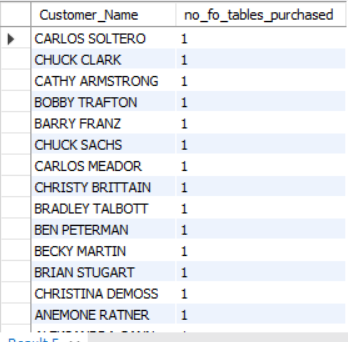
Query:

select c.Customer\_Name,count(\*)"no\_fo\_tables\_purchased"

from market\_fact m inner join cust\_dimen c on m.cust\_id = c.cust\_id

where c.region = 'atlantic' and m.prod\_id = (select prod\_id from prod\_dimen where product\_sub\_category ='tables') group by m.cust\_id,c.customer\_name;

Output:



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

Query:

select Customer\_Name,Province,

Customer\_Segment as no\_of\_small\_Business\_owners

from cust\_dimen

where Province="Ontario" and Customer\_Segment="Small Business";

Output:

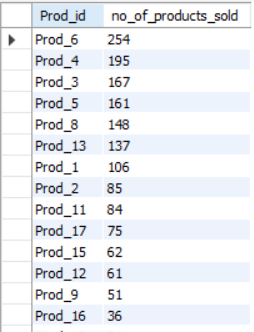


10. Find the number and id of products sold in decreasing order of products sold (display product id, no\_of\_products sold)

Query:

select Prod\_id, count(\*) as no\_of\_products\_sold from market\_fact group by prod\_id order by no\_of\_products\_sold desc;

Output:

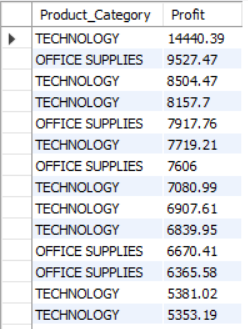


12. Display the product categories in descending order of profits (display the product category wise profits i.e. product\_category, profits)?

Query:

select Product\_Category,Profit from market\_fact natural join prod\_dimen order by Profit desc;

Output:



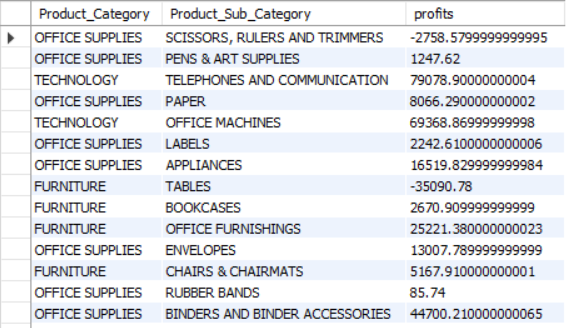
13. Display the product category, product sub-category and the profit within each subcategory in three columns.

Query:

select p.Product\_Category,p.Product\_Sub\_Category,sum(m.Profit) "profits"

from market\_fact m inner join prod\_dimen p on m.prod\_id = p.prod\_id group by p.Product\_Category,p.Product\_Sub\_Category;

Output:

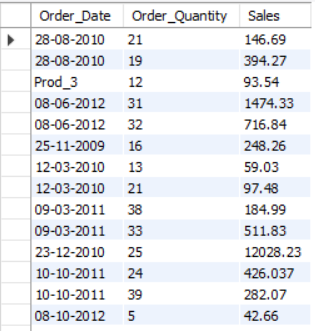


14. Display the order date, order quantity and the sales for the order

Query:

select Order\_Date,Order\_Quantity,Sales from market\_fact natural join orders\_dimen;

Output:



15.Display the names of the customers whose name contains the

i) Second letter as ‘R’

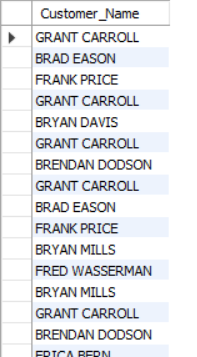
Query:

select Customer\_Name

from cust\_dimen

where Customer\_Name like'\_R%'

Output:



ii) Fourth letter as ‘D’

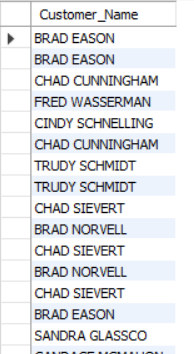
Query:

select Customer\_Name

from cust\_dimen

where Customer\_Name like'\_\_\_D%'

Output:



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

Query:

select sales

from market\_fact

order by sales

desc limit 2,1;

Output:

