Lab 4



Session 2022-2026

Noor UI Huda 2022-CS-60

Submitted to: Sir Nazeef UL Haq

Department of Computer Science

University of Engineering and Technology, Lahore

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List name of all the products whose price is above average. (Product Name)?

1.1 SQL Query

```
SELECT ProductName
FROM Products
WHERE UnitPrice > (SELECT AVG(UnitPrice) FROM Products);
```

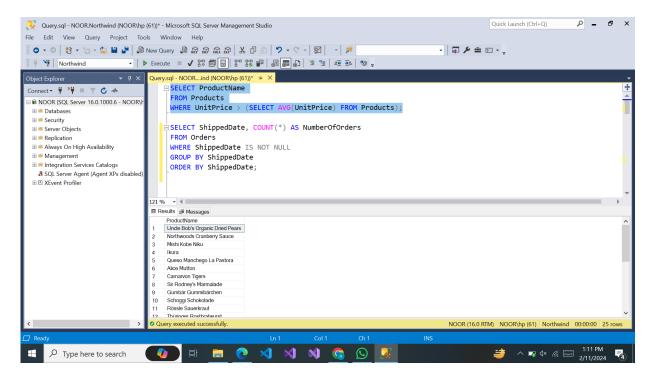


Figure 1: Question NO 1

Write a query to generate report showing date wise orders shipped. (ShippedDate, numberoforders) ?

2.1 SQL Query

```
SELECT ShippedDate, COUNT(*) AS NumberOfOrders
FROM Orders
WHERE ShippedDate IS NOT NULL
GROUP BY ShippedDate
ORDER BY ShippedDate;
```

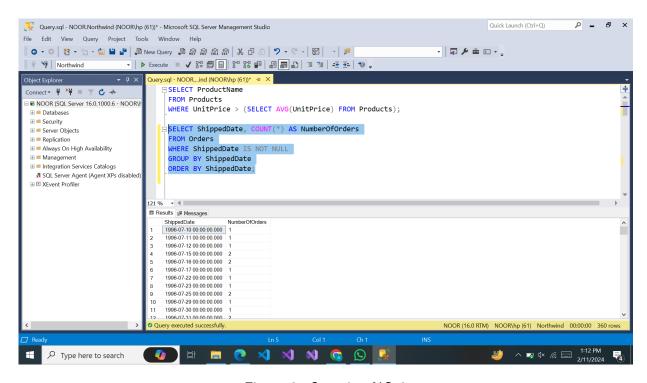


Figure 2: Question NO 2

List name of all countries from where two or more suppliers belong to. (Country)?

3.1 SQL Query

```
Select Country
From Suppliers
Group By Country
Having Count(*)>=2;
```

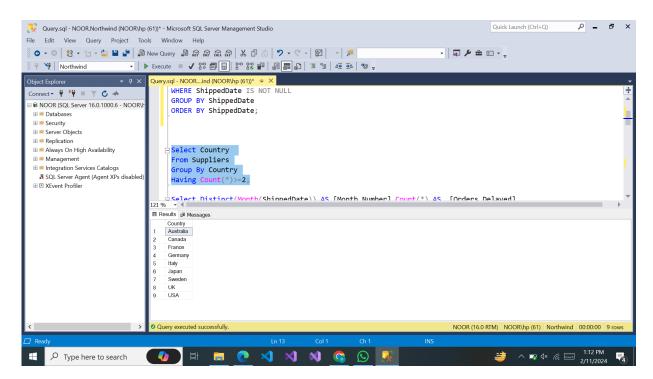


Figure 3: Question NO 3

Write a query to generate report showing month wise orders delayed shipped. Your output should look like this (Month Number, Orders Delayed)?

4.1 SQL Query

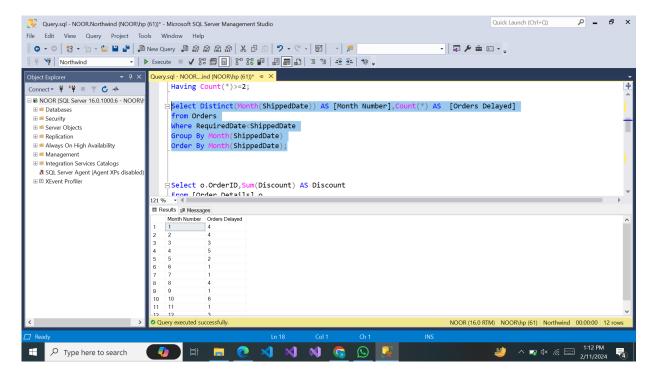


Figure 4: Question NO 4

Report all the orders which have been discounted. Your result should show the total discount against each order. Output should look like this (Order ID, Discount)?

5.1 SQL Query

```
Select o.OrderID,Sum(Discount) AS Discount
From [Order Details] o
Where Discount>0
GROUP By OrderID
Order By o.OrderID;
```

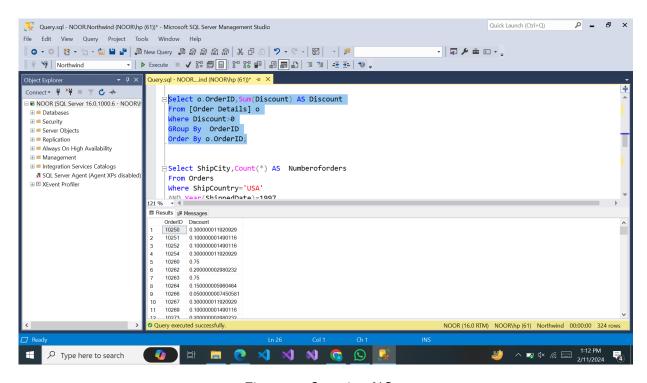


Figure 5: Question NO 5

Write a query to list the number of orders which were shipped in the cities of USA in 1997. Show the number of order against each city. (Ship City, Number of orders)?

6.1 SQL Query

```
Select ShipCity, Count(*) AS Numberoforders
From Orders
Where ShipCountry='USA'
AND Year(ShippedDate)=1997
GRoup By ShipCity;
```

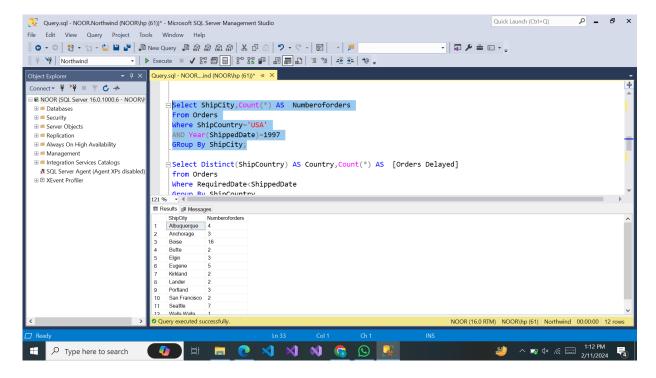


Figure 6: Question NO 6

Write a query to generate report showing country wise orders delayed shipped. Your output should look like this: (Country, Orders Delayes)?

7.1 SQL Query

```
Select Distinct(ShipCountry) AS Country,Count(*) AS [Orders Delayed]
from Orders
Where RequiredDate < ShippedDate
Group By ShipCountry;</pre>
```

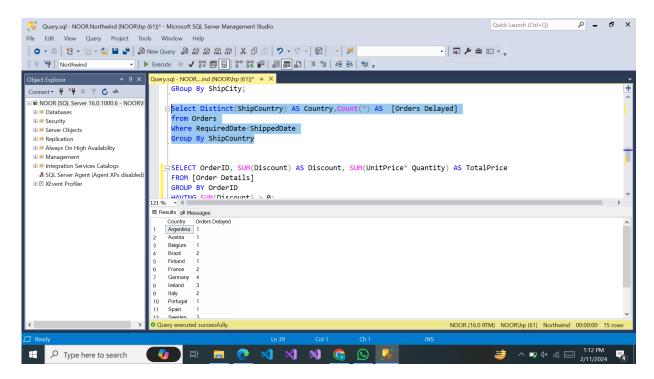


Figure 7: Question NO 7

Report all the orders which have been discounted with total price of order. Your result should show the total discount against each order. Output should look like this: (Order ID, Discount, Total Price)?

8.1 SQL Query

```
SELECT OrderID, SUM(Discount) AS Discount, SUM(UnitPrice* Quantity) AS
TotalPrice
FROM [Order Details]
GROUP BY OrderID
HAVING SUM(Discount)>0;
```

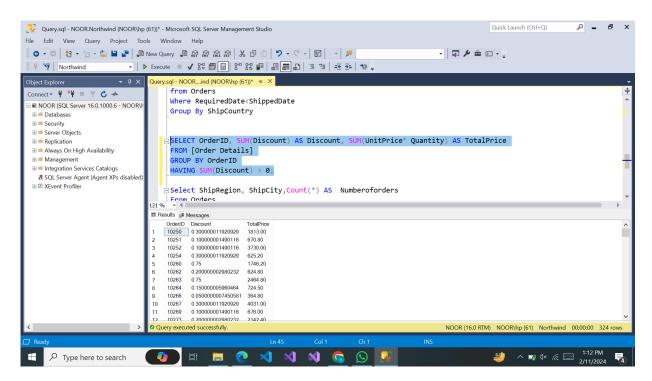


Figure 8: Question NO 8

. Write a query to list the number of orders which were shipped in the cities of each region in 1997. Show the number of order against each city. Your results should look like this: (ShipRegion, ShipCity, Numberoforders)?

9.1 SQL Query

```
Select ShipRegion, ShipCity, Count(*) AS Numberoforders
From Orders
Where Year(ShippedDate)=1997 AND ShipRegion is Not Null
GRoup By ShipCity, ShipRegion;
```

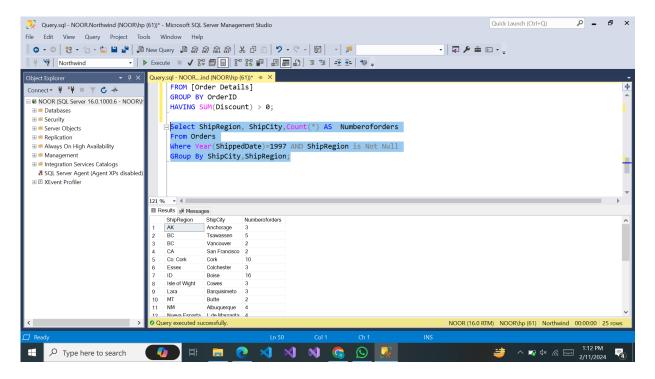


Figure 9: Question NO 9