DATABASE SYSTEMS LAB 4

Submitted To

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Submitted By

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1 Task 01

1.1 Question:

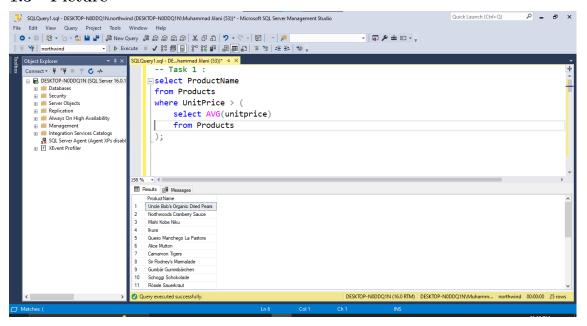
List name of all the products whose price is above average.

(Product Name)

1.2 Query:

```
select ProductName
from Products
where UnitPrice > (
select AVG(unitprice)
from Products
);
```

1.3 Picture



2 Task 02

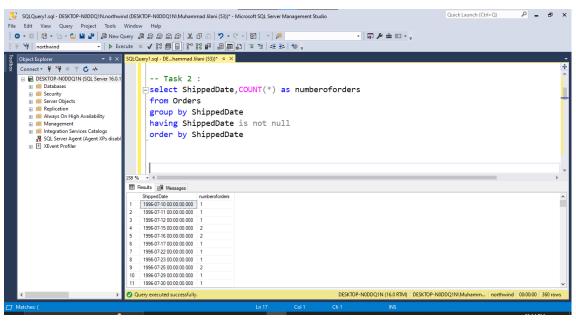
2.1 Question:

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

2.2 Query:

select ShippedDate , COUNT(*) as numberoforders
from Orders
group by ShippedDate
having ShippedDate is not null
order by ShippedDate;

2.3 Picture



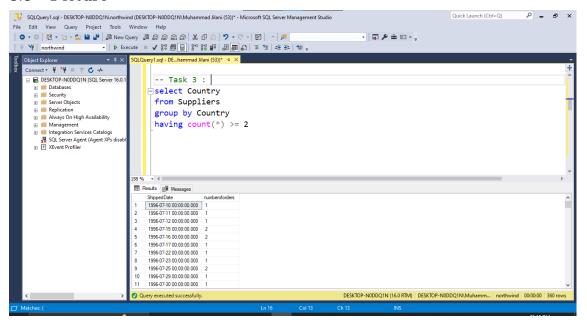
3 Task 03

3.1 Question:

3.2 Query:

```
select Country
from Suppliers
group by Country
having count(*) >= 2;
```

3.3 Picture



4 Task 04

4.1 Question:

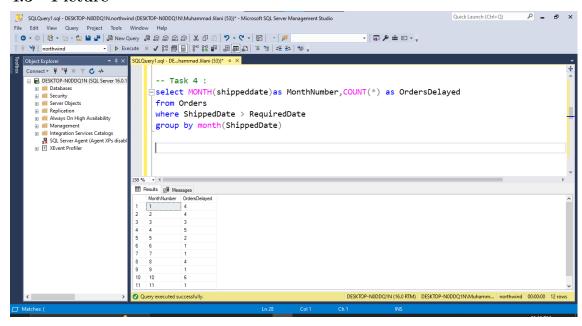
Write a query to generate report showing month wise orders delayed shipped. Your output should look like this (Month Number, Orders

Delayed)

4.2 Query:

select MONTH(shippeddate)as MonthNumber, COUNT(*) as OrdersDelayed from Orders where ShippedDate > RequiredDate group by month(ShippedDate);

4.3 Picture



5 Task 05

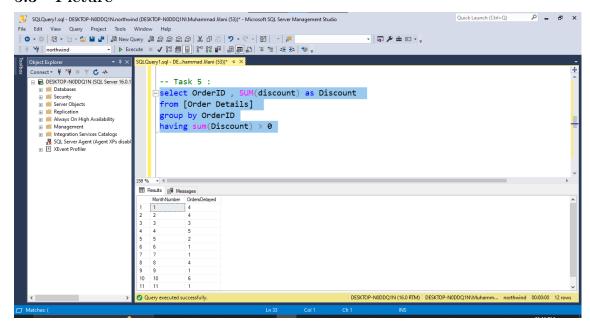
5.1 Question:

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)

5.2 Query:

```
select OrderID , SUM(discount) as Discount
from [Order Details]
group by OrderID
having sum(Discount) > 0;
```

5.3 Picture

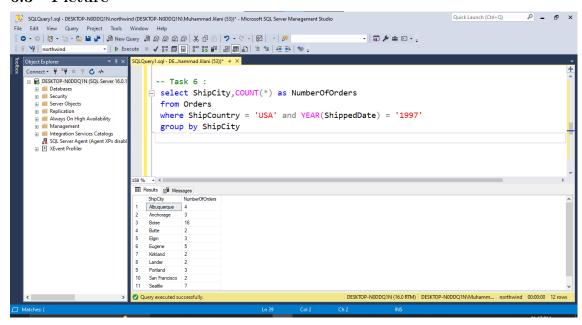


6 Task 06

6.1 Question:

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)

```
select ShipCity,COUNT(*) as NumberOfOrders
from Orders
where ShipCountry = 'USA' and YEAR(ShippedDate) = '1997'
group by ShipCity ;
```

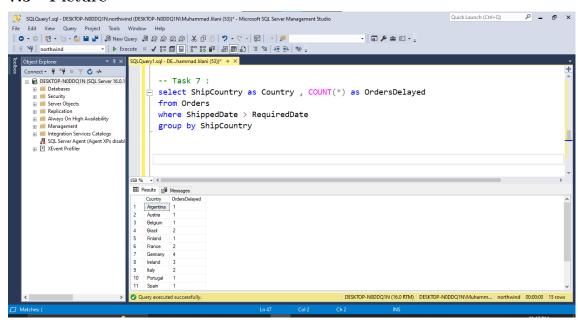


7 Task 07

7.1 Question:

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

```
select ShipCountry as Country , COUNT(*) as OrdersDelayed
from Orders
where ShippedDate > RequiredDate
group by ShipCountry;
```

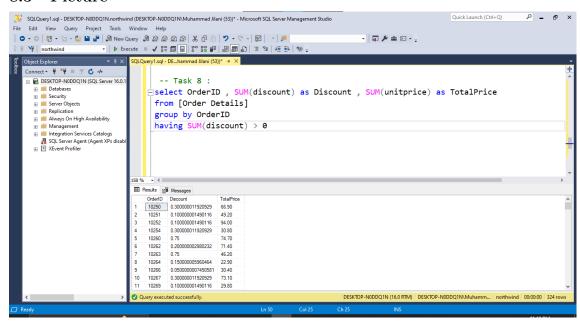


8 Task 08

8.1 Question:

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)

```
select OrderID , SUM(discount) as Discount ,
SUM(unitprice) as TotalPrice
from [Order Details]
group by OrderID
having SUM(discount) > 0;
```



9 Task 09

9.1 Question:

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)

```
select ShipRegion,ShipCity,COUNT(*) as NumberOfOrders
from Orders
where YEAR(ShippedDate) = '1997' and ShipRegion is not null
group by ShipRegion,ShipCity;
```

