LAB 4 TASKS

Submitted To:

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1 Query

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

1.1 SQL CODE

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

1.2 Screenshot

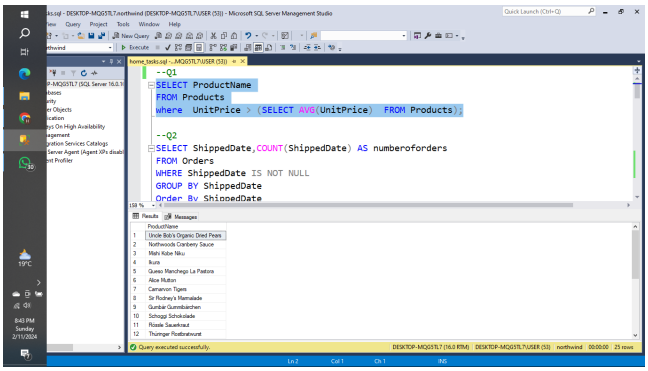

Figure 1: Screenshot of the results

2 Query

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

2.1 SQL CODE

```
SELECT ShippedDate,COUNT(ShippedDate) AS numberoforders
FROM Orders
WHERE ShippedDate IS NOT NULL
GROUP BY ShippedDate
Order By ShippedDate;
```

2.2 Screenshot

3 Query

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

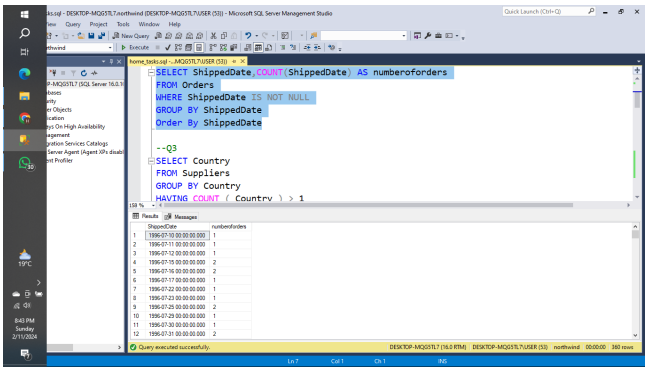

Figure 2: Screenshot of the results

3.1 SQL CODE

```
SELECT Country
FROM Suppliers
GROUP BY Country
HAVING COUNT ( Country ) > 1
```

3.2 Screenshot

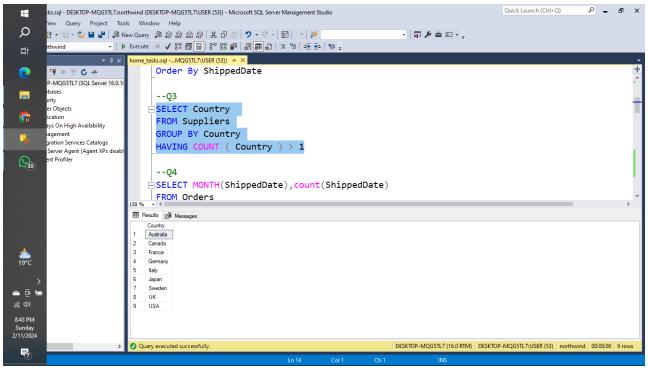

Figure 3: Screenshot of the results

4 Query

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 CODE

```
SELECT MONTH(ShippedDate),count(ShippedDate)
FROM Orders
WHERE ShippedDate > RequiredDate
GROUP BY MONTH(ShippedDate)
ORDER BY MONTH(ShippedDate);
```

4.2 Screenshot

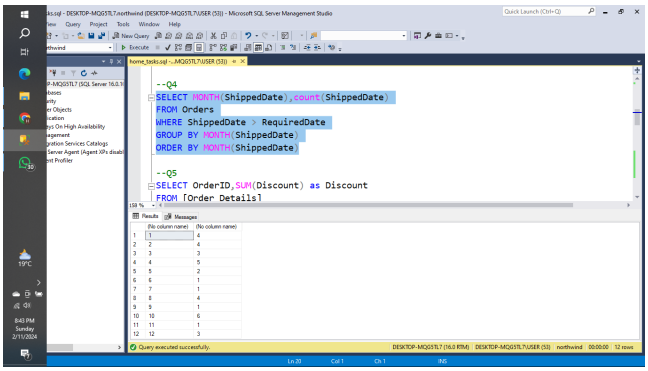

Figure 4: Screenshot of the results

5 Query

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 CODE

```
--Q5
SELECT OrderID,SUM(Discount) as Discount
FROM [Order Details]
WHERE Discount != 0
GROUP BY OrderID
ORDER BY OrderID;
```

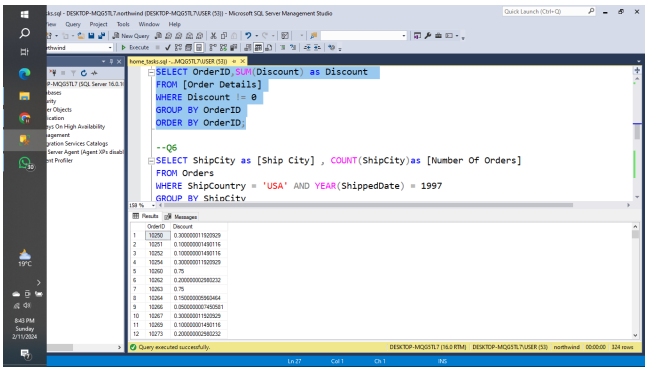

Figure 5: Screenshot of the results

5.2 Screenshot

6 Query

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 CODE

```
SELECT ShipCity as [Ship City] , COUNT(ShipCity)as [Number Of Orders]
FROM Orders
WHERE ShipCountry = 'USA' AND YEAR(ShippedDate) = 1997
GROUP BY ShipCity
ORDER BY ShipCity
```

6.2 Screenshot

7 Query

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

7.1 SQL CODE

```
SELECT ShipCountry as Country , COUNT (ShipCountry)
FROM Orders
WHERE RequiredDate < ShippedDate
Group BY ShipCountry
```

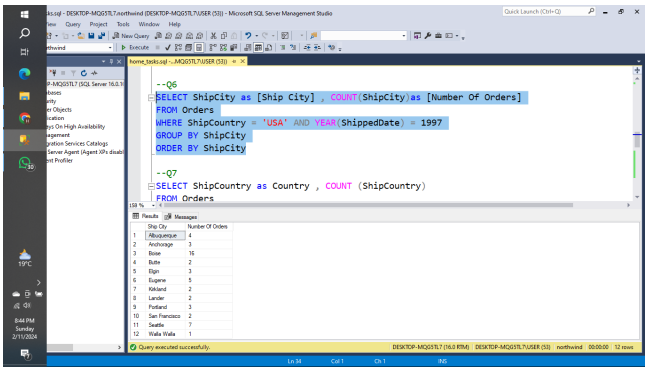

Figure 6: Screenshot of the results

7.2 Screenshot

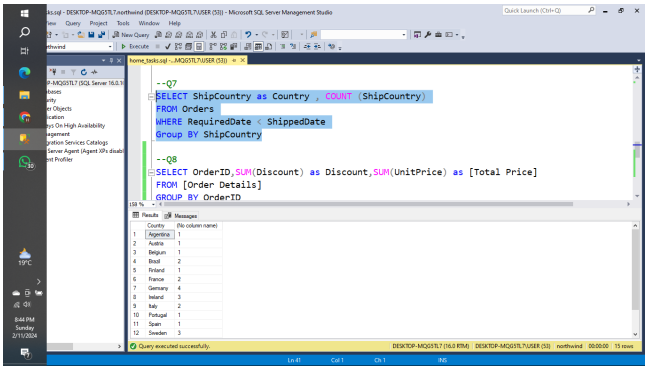

Figure 7: Screenshot of the results

8 Query

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 CODE

```
SELECT OrderID,SUM(Discount) as Discount,SUM(UnitPrice) as [Total Price]
FROM [Order Details]
GROUP BY OrderID
HAVING SUM(Discount) != 0
ORDER BY OrderID
```

8.2 Screenshot

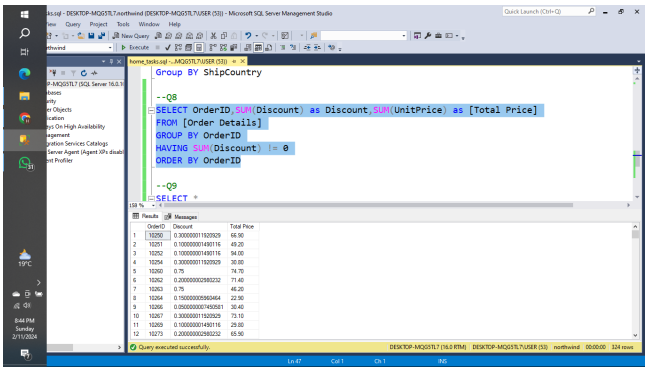

Figure 8: Screenshot of the results