

# Lab 3



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# 1 Question 1

Write a query to report orders which were delayed shipped?

## 1.1 SQL Query

```
Select OrderID ,CustomerID ,EmployeeID ,OrderDate ,RequiredDate ,  
ShippedDate ,ShipVia ,Freight ,ShipName ,ShipAddress ,ShipCity ,  
ShipRegion ,ShipPostalCode ,ShipCountry  
FRom Orders  
where ShippedDate > RequiredDate;
```

## 1.2 Output

The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The query editor displays the following SQL query:

```
Select *  
From orders  
where ShippedDate > RequiredDate;
```

The Results pane shows the output of the query, which is a table with 11 columns: OrderID, CustomerID, EmployeeID, OrderDate, RequiredDate, ShippedDate, ShipVia, Freight, ShipName, ShipAddress, and ShipCity. The table contains 11 rows of data, representing orders that were shipped later than the required date.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity
10264	FOLKO	6	1996-07-24 00:00:00.000	1996-08-21 00:00:00.000	1996-08-23 00:00:00.000	3	3.67	Folk och fa HB	Akergatan 24	
10271	SPLIR	6	1996-08-01 00:00:00.000	1996-08-29 00:00:00.000	1996-08-30 00:00:00.000	2	4.54	Splitt Rial Beer & Ale	P.O. Box 555	
10280	BERGS	2	1996-08-14 00:00:00.000	1996-09-11 00:00:00.000	1996-09-12 00:00:00.000	1	8.98	Berglunds snabbköp	Bergslagsvägen 8	
10302	SUPRD	4	1996-09-10 00:00:00.000	1996-10-08 00:00:00.000	1996-10-09 00:00:00.000	2	6.27	Suprêmes délices	Boulevard Trou, 255	
10309	HUNGO	3	1996-09-19 00:00:00.000	1996-10-17 00:00:00.000	1996-10-23 00:00:00.000	1	47.30	Hungry Owl All-Night Grocers	8 Johnston Road	
10320	WARTH	5	1996-10-03 00:00:00.000	1996-10-17 00:00:00.000	1996-10-18 00:00:00.000	3	34.57	Wartian Herkku	Torikatu 38	
10380	HUNGO	8	1996-12-12 00:00:00.000	1997-01-09 00:00:00.000	1997-01-16 00:00:00.000	3	35.03	Hungry Owl All-Night Grocers	8 Johnston Road	
10423	GOURIL	6	1997-01-23 00:00:00.000	1997-02-06 00:00:00.000	1997-02-24 00:00:00.000	3	24.50	Gourmet Lanchonettes	Av. Brasl, 442	
10427	PICCO	4	1997-01-27 00:00:00.000	1997-02-24 00:00:00.000	1997-03-03 00:00:00.000	2	31.29	Piccola und mehr	Gaisweg 14	
10433	PRINI	3	1997-02-03 00:00:00.000	1997-03-03 00:00:00.000	1997-03-04 00:00:00.000	3	73.83	Piccola Isabel Vinhos	Estrada da saúde n. 58	
10451	QUICK	4	1997-03-10 00:00:00.000	1997-03-25 00:00:00.000	1997-03-13 00:00:00.000	3	149.90	QUICK-Books	Torikatu 38	

Figure 1: Question NO 1

## 2 Question 2

Our employees belong to how many countries. List the names?

### 2.1 SQL Query

```
Select distinct(Country)
from Employees;
```

### 2.2 Output

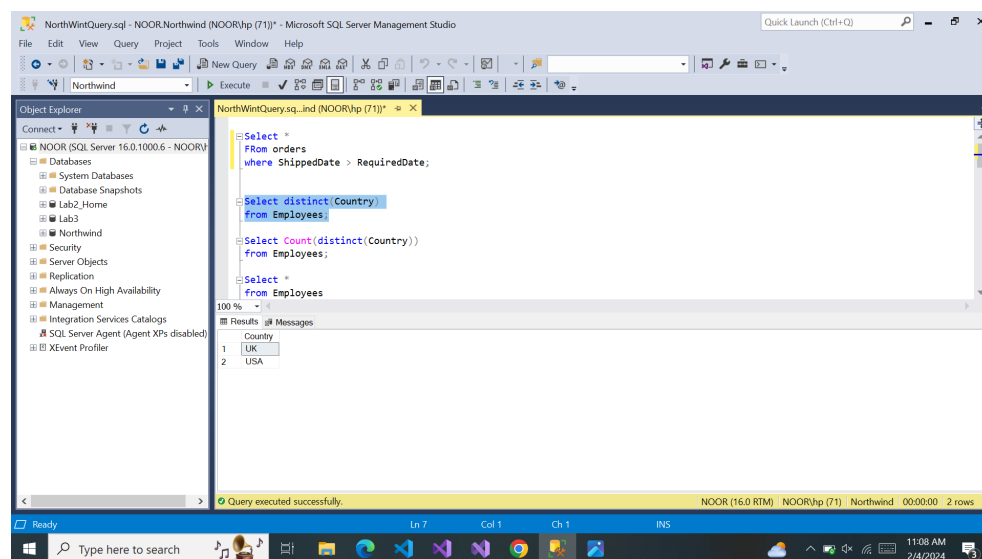


Figure 2: Question NO 2

### 3 Question 3

Is there any employee who is not accountable?

#### 3.1 SQL Query

```
Select EmployeeID, LastName, FirstName, TitleOfCourtesy,
HireDate, Address, City, Region, PostalCode, Country, HomePhone,
Extension, Photo, Notes, ReportsTo, PhotoPath
from Employees
Where ReportsTo is Null;
```

#### 3.2 Output

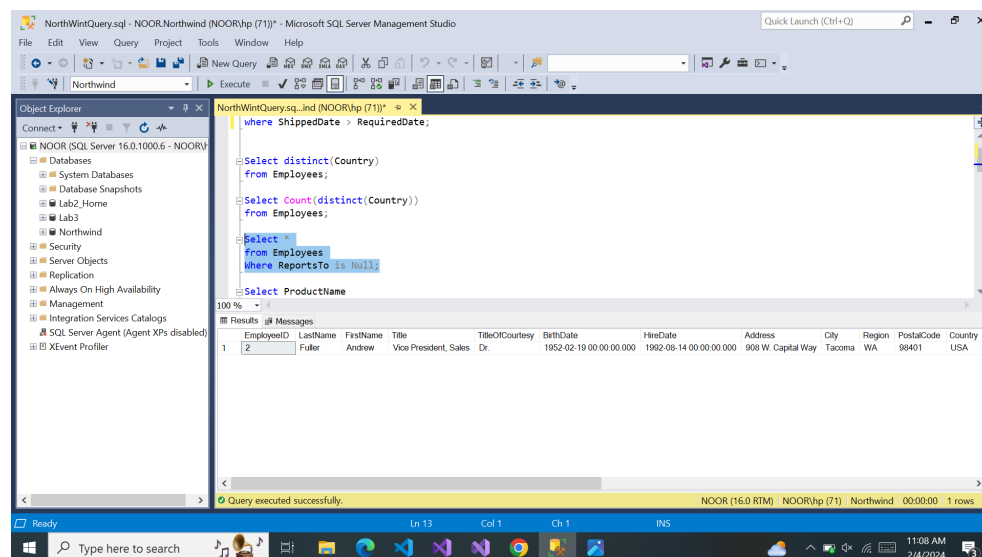


Figure 3: Question NO 3

## 4 Question 4

List the names of products which have been discontinued?

### 4.1 SQL Query

```
Select ProductName
from Products
Where Discontinued = 'True';
```

### 4.2 Output

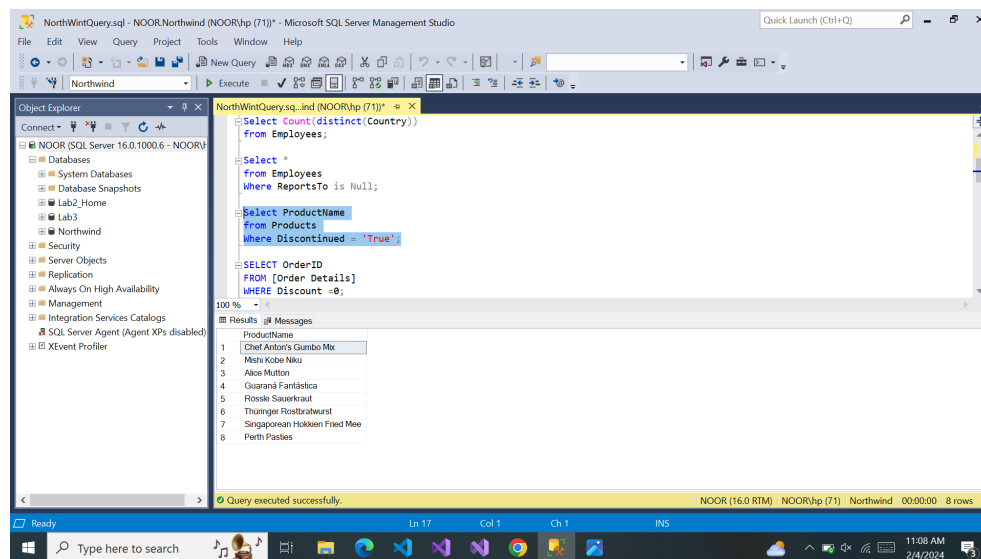


Figure 4: Question NO 4



## 5 Question 5

List the IDs the orders on which discount was not provided ?

### 5.1 SQL Query

```
SELECT Distinct OrderID
FROM [Order Details]
WHERE Discount =0;
```

### 5.2 Output

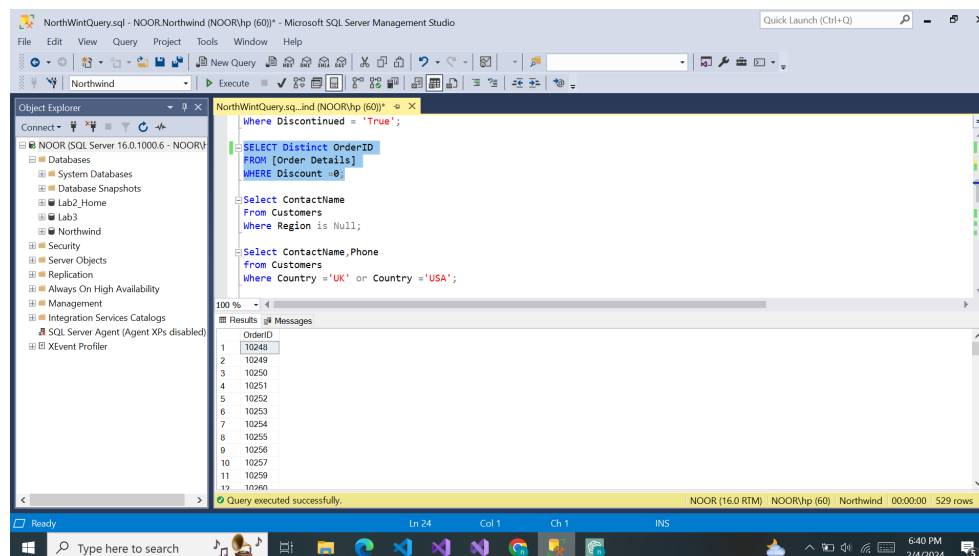


Figure 5: Question NO 5

## 6 Question 6

Enlist the names of customers who have not specified their region ?

### 6.1 SQL Query

```
Select ContactName  
From Customers  
Where Region is Null;
```

### 6.2 Output

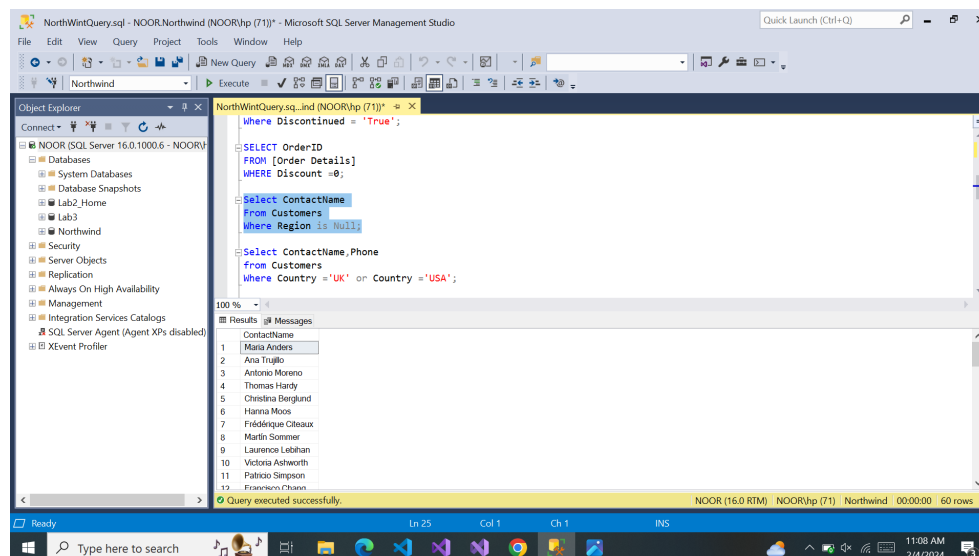


Figure 6: Question NO 6

## 7 Question 7

Enlist the names of customers along with contact number who either belongs to UK or USA ?

### 7.1 SQL Query

```
Select ContactName,Phone
from Customers
Where Country ='UK' or Country ='USA';
```

### 7.2 Output

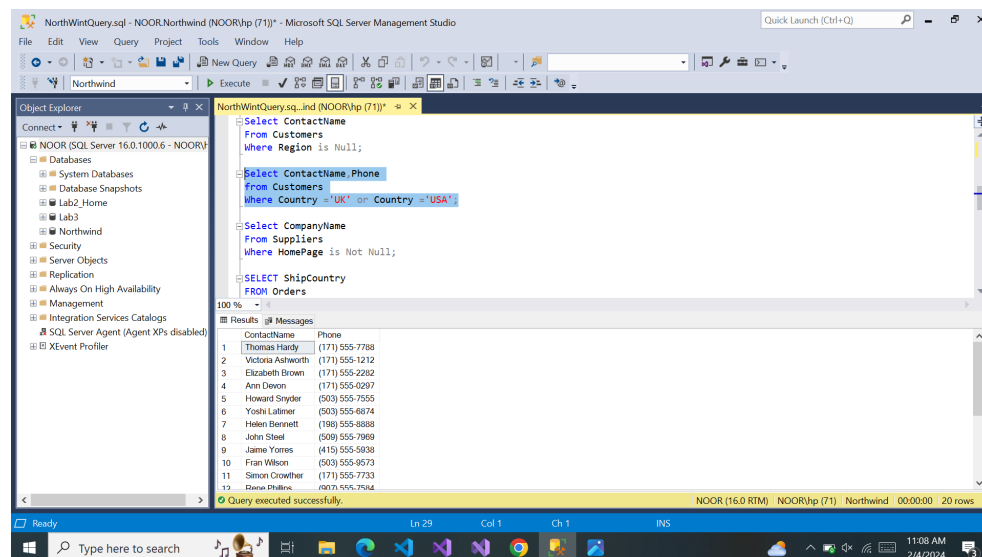


Figure 7: Question NO 7

## 8 Question 8

Report the names of companies who have provided their web page ?

### 8.1 SQL Query

```
Select CompanyName  
From Suppliers  
Where HomePage is Not Null;
```

### 8.2 Output

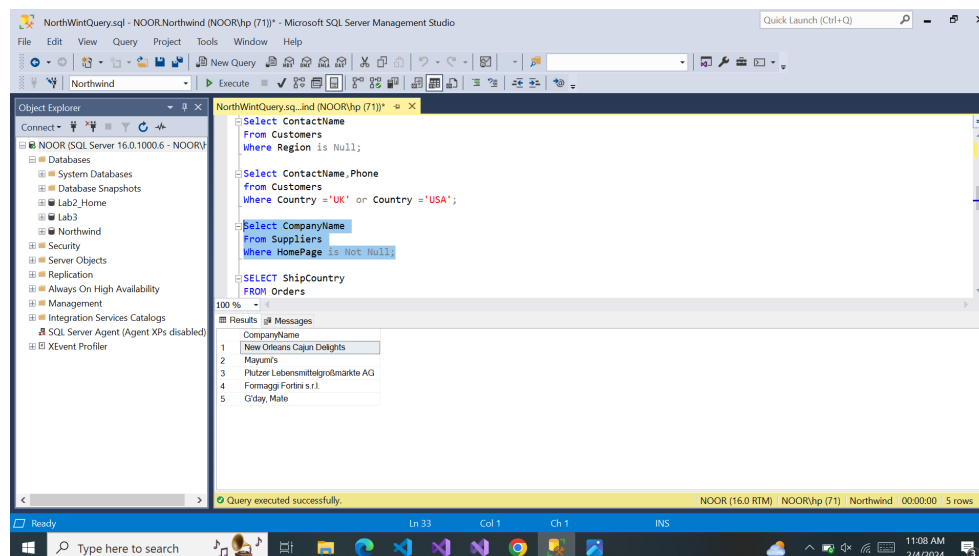


Figure 8: Question NO 8

## 9 Question 9

In which countries, products were sold in year 1997 ?

### 9.1 SQL Query

```
SELECT Distinct ShipCountry
FROM Orders
WHERE Year(OrderDate) = 1997;
```

### 9.2 Output

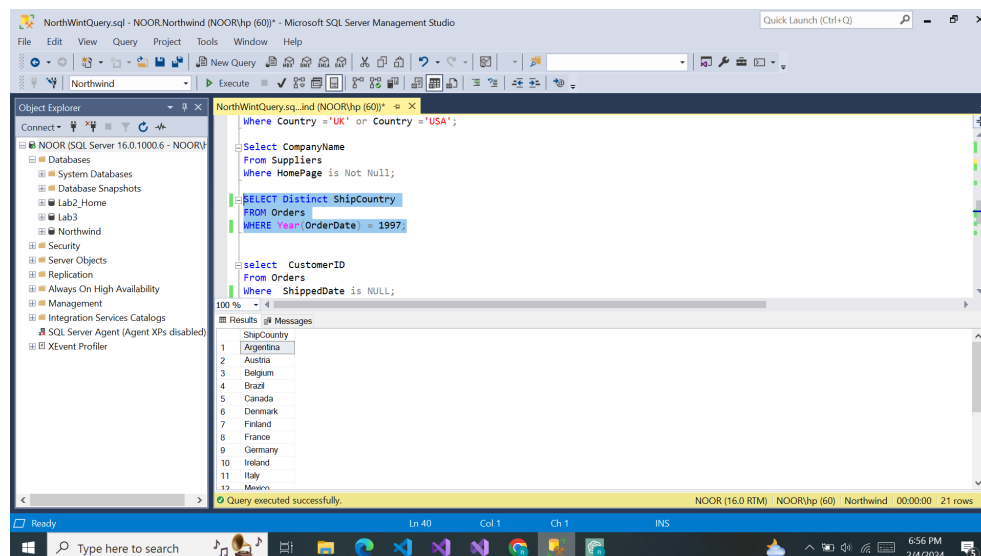


Figure 9: Question NO 9

## 10 Question 10

List the ids of customers whose orders were never shipped ?

### 10.1 SQL Query

```
select CustomerID
From Orders
Where ShippedDate is NULL;
```

### 10.2 Output

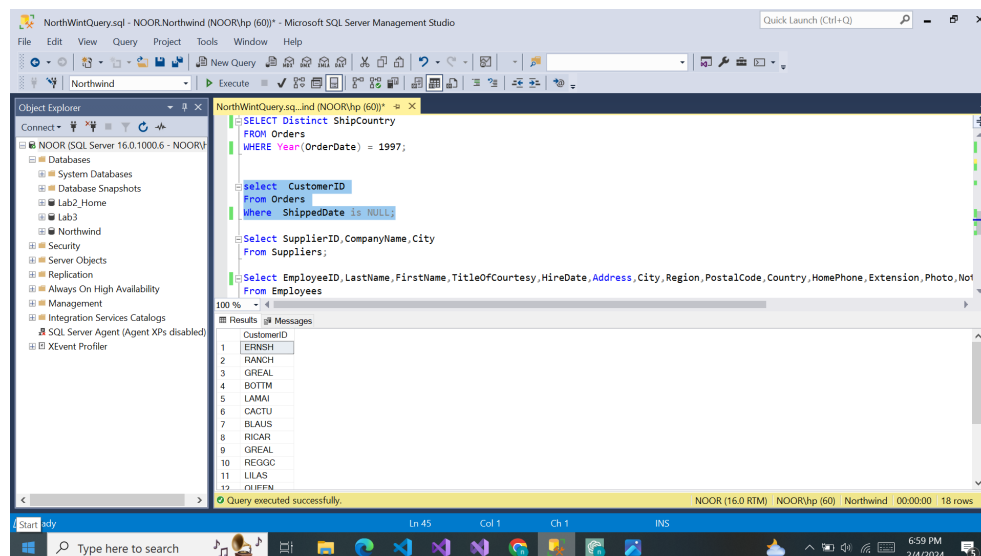


Figure 10: Question NO 10

## 11 Question 11

Write a query to report suppliers with their id, company name and city ?

### 11.1 SQL Query

```
Select SupplierID ,CompanyName ,City  
From Suppliers;
```

### 11.2 Output

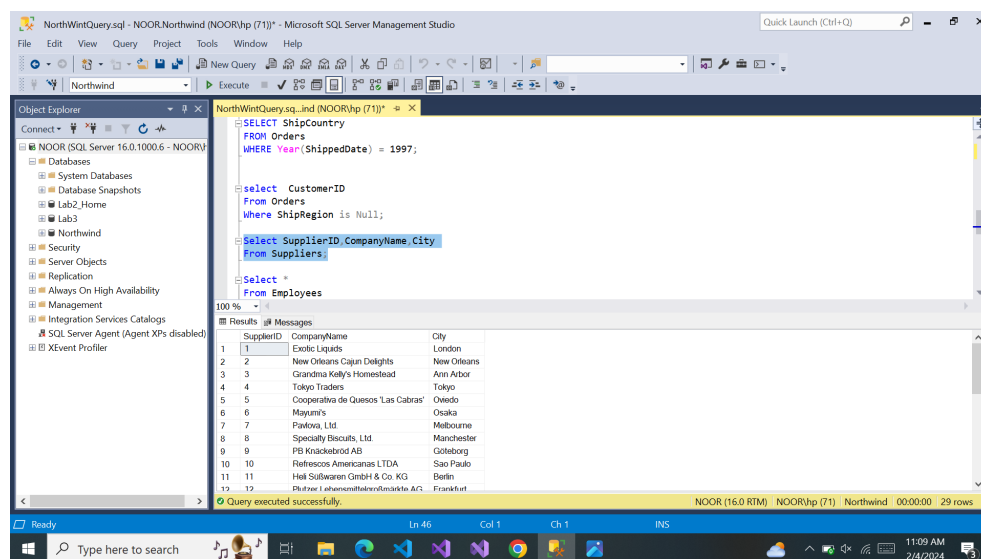


Figure 11: Question NO 11

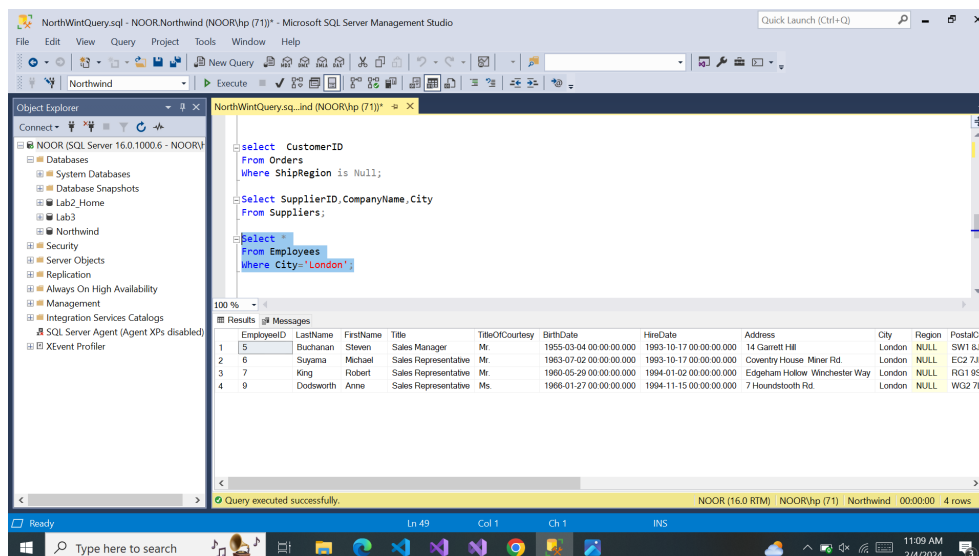
## 12 Question 12

Our employees belong to how many countries. List them who are used to live in London ?

### 12.1 SQL Query

```
Select EmployeeID, LastName, FirstName, TitleOfCourtesy, HireDate, Address,
                                             City, Region, PostalCode, Country,
                                             HomePhone, Extension, Photo, Notes,
                                             ReportsTo, PhotoPath
From Employees
Where City='London';
```

### 12.2 Output



The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor displays the following SQL query:

```
--select CustomerID
From Orders
where ShipRegion is Null;

--select SupplierID,CompanyName,City
From Suppliers;

--select
From Employees
where City='London';
```

The Results pane shows the output of the query, displaying 4 rows of employee data from the Northwind database:

EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode
5	Buchanan	Steven	Sales Manager	Mr.	1955-03-04 00:00:00.000	1993-10-17 00:00:00.000	14 Garret Hill	London	NULL	SW1 6JF
6	Suyama	Michael	Sales Representative	Mr.	1963-07-02 00:00:00.000	1993-10-17 00:00:00.000	Cowernly House Miner Rd	London	NULL	EC2 7JF
7	King	Robert	Sales Representative	Mr.	1960-05-29 00:00:00.000	1994-01-02 00:00:00.000	Edgeman Hollow Winchester Way	London	NULL	RQ1 9SF
9	Dodsworth	Anne	Sales Representative	Ms.	1966-01-27 00:00:00.000	1994-11-15 00:00:00.000	7 Houndstooth Rd	London	NULL	WG2 7L

The status bar at the bottom indicates: Query executed successfully. NOOR (16.0 RTM) NOOR\hp (71) Northwind 00:00:00 4 rows

Figure 12: Question NO 12



## 13 Question 13

List the names of products which have not been discontinued ?

### 13.1 SQL Query

```
Select ProductName  
from Products  
Where Discontinued = 'False';
```

### 13.2 Output

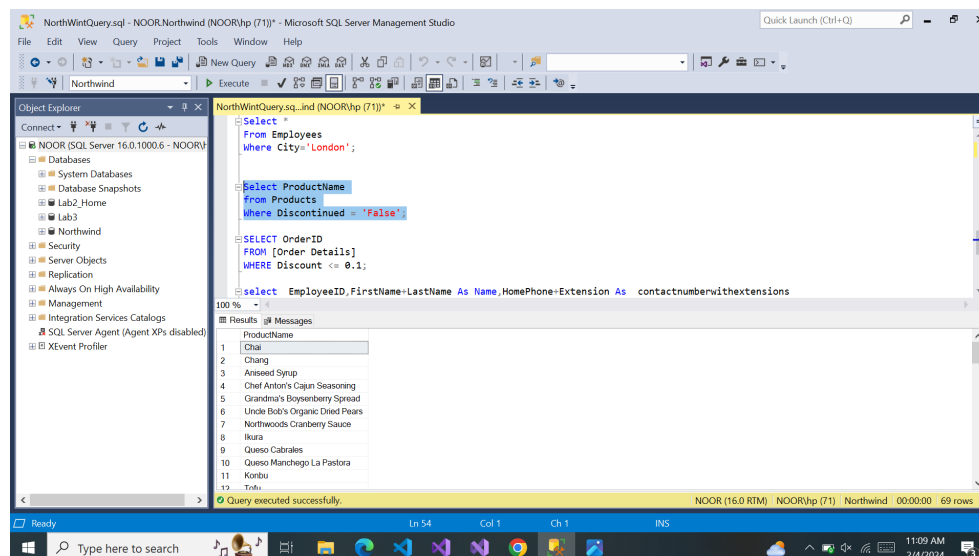


Figure 13: Question NO 13

## 14 Question 14

List the IDs the orders on which discount was 0.1 or less ?

### 14.1 SQL Query

```
SELECT OrderID
FROM [Order Details]
WHERE Discount <= 0.1;
```

### 14.2 Output

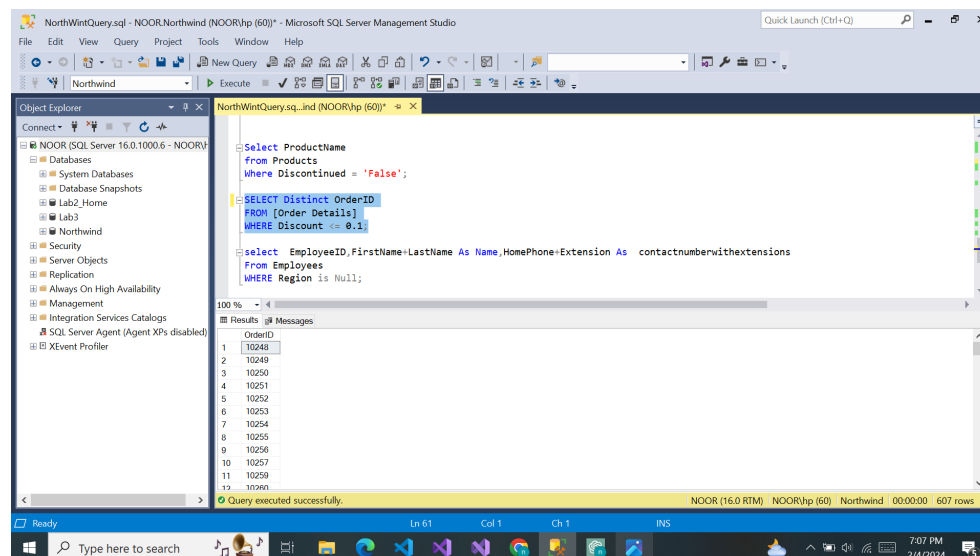


Figure 14: Question NO 14

## 15 Question 15

Enlist the IDS, names of employees and their contact number with extensions who have not specified their region ?

### 15.1 SQL Query

```
select EmployeeID,FirstName+LastName As Name,HomePhone+Extension As  
contactnumberwithextensions  
From Employees  
WHERE Region is Null;
```

### 15.2 Output

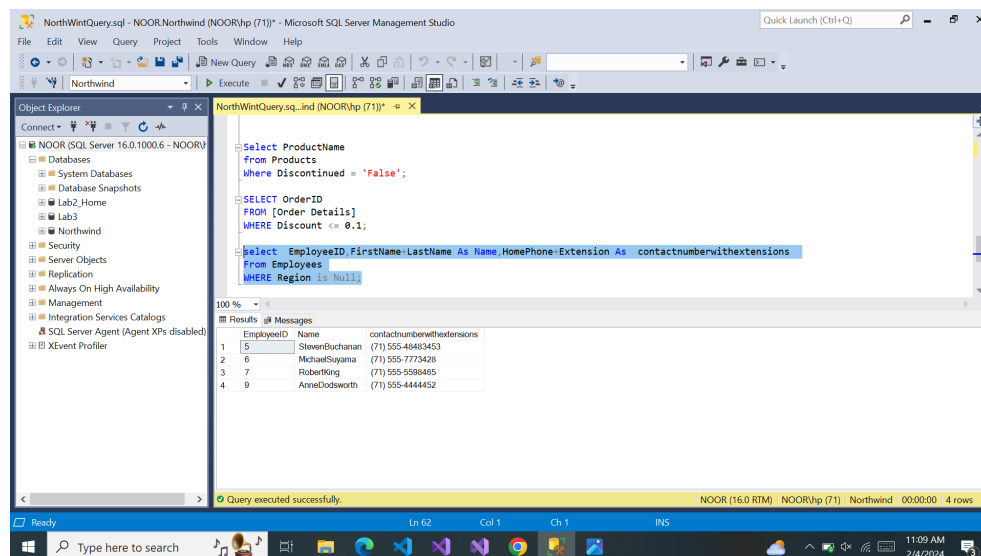


Figure 15: Question NO 15