

# Lab 03



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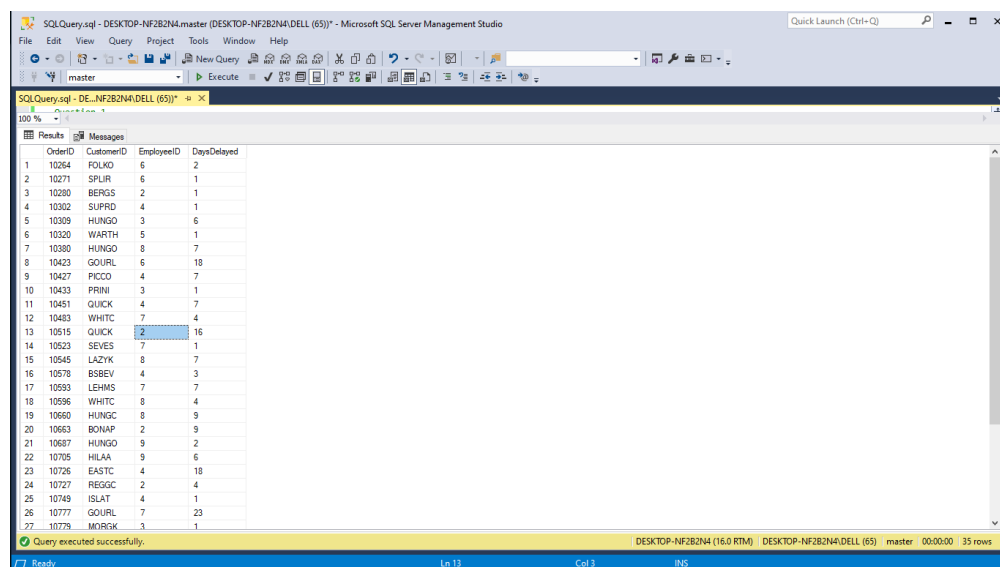
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### Question 1

Write a query to report orders which were delayed shipped.

```
SELECT
    OrderID,
    CustomerID,
    EmployeeID,
    DATEDIFF(day, RequiredDate, ShippedDate) AS DaysDelayed
FROM
    [Northwind].[dbo].[Orders]
WHERE
    ShippedDate > RequiredDate;
```



OrderID	CustomerID	EmployeeID	DaysDelayed
1	10264	FOLKO	6
2	10271	SPLUR	6
3	10280	BERPS	2
4	10302	SUPRD	4
5	10309	HUNGO	3
6	10320	WARTH	5
7	10380	HUNGO	8
8	10423	GOURL	6
9	10427	PICCO	4
10	10433	PRINI	3
11	10451	QUICK	4
12	10483	WHITC	7
13	10515	QUICK	2
14	10523	SEVES	7
15	10545	LAZYK	8
16	10578	BSBEV	4
17	10593	LEHMS	7
18	10596	WHITC	8
19	10660	HUNGCC	8
20	10663	BONAP	2
21	10687	HUNGO	9
22	10705	HILAA	9
23	10726	EASTC	4
24	10727	REGGC	2
25	10749	ISLAT	4
26	10777	GOURL	7
27	10778	MOROK	3

Figure 1: Visualization for Query 1

### Question 2

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

```
SELECT DISTINCT
    Country
FROM
    [Northwind].[dbo].[Employees];
```

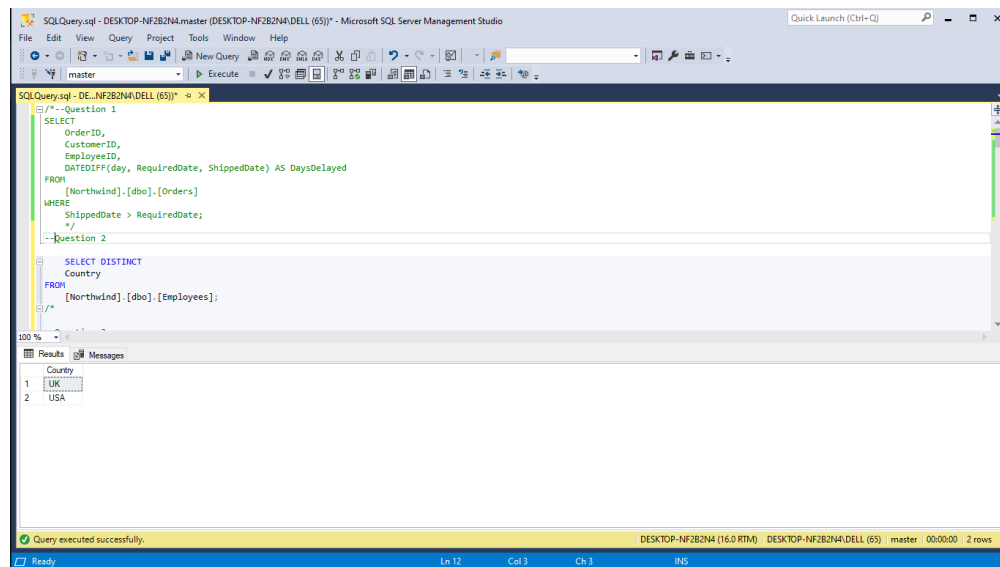


Figure 2: Visualization for Query 2

### Question 3

Is there any employee who is not accountable.

```
SELECT
    EmployeeID,
    LastName,
    FirstName,
    Title,
    ReportsTo
FROM
    [Northwind].[dbo].[Employees]
WHERE
    ReportsTo IS NULL;
```

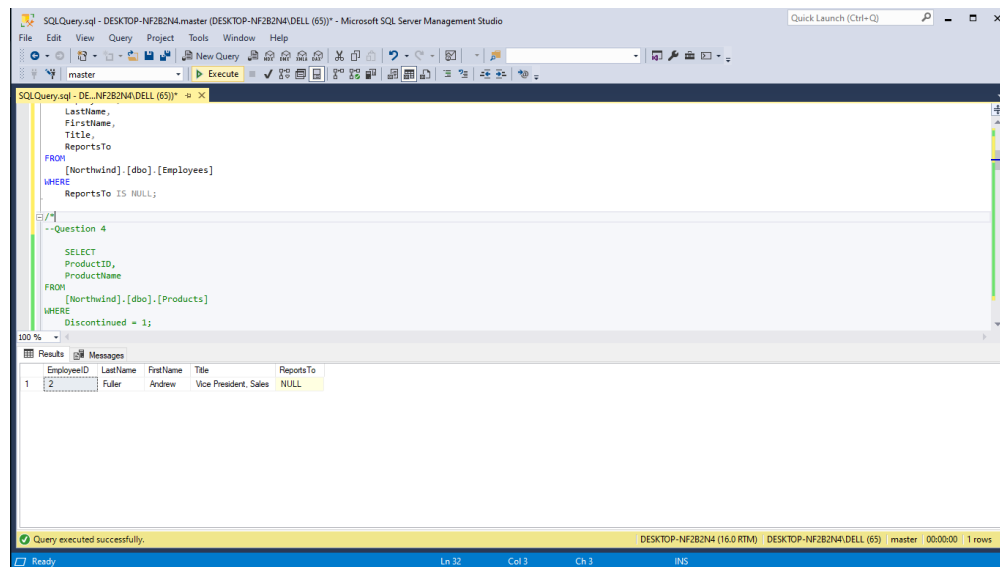


Figure 3: Visualization for Query 3

### Question 4

List the names of products which have been discontinued.

```
SELECT  
    ProductID,  
    ProductName  
FROM  
    [Northwind].[dbo].[Products]  
WHERE  
    Discontinued = 1;
```

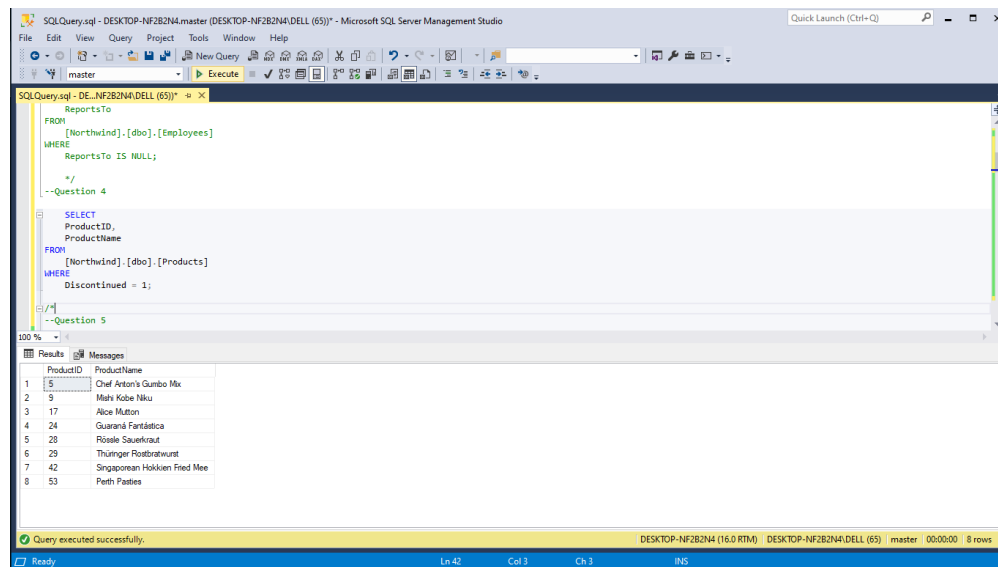


Figure 4: Visualization for Query 4

### Question 5

List the IDs of the orders on which discount was not provided.

```
SELECT DISTINCT
    OrderID
FROM
    [Northwind].[dbo].[Order Details]
WHERE
    Discount = 0 OR Discount IS NULL;
```

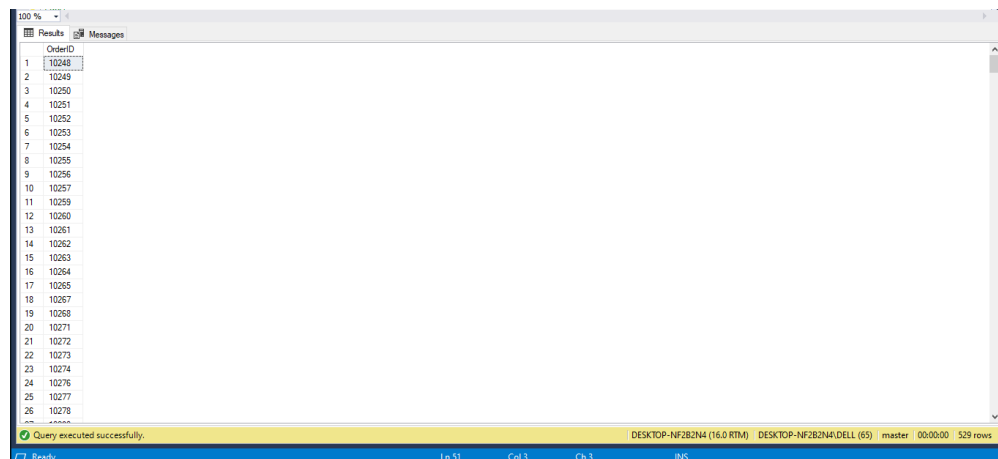
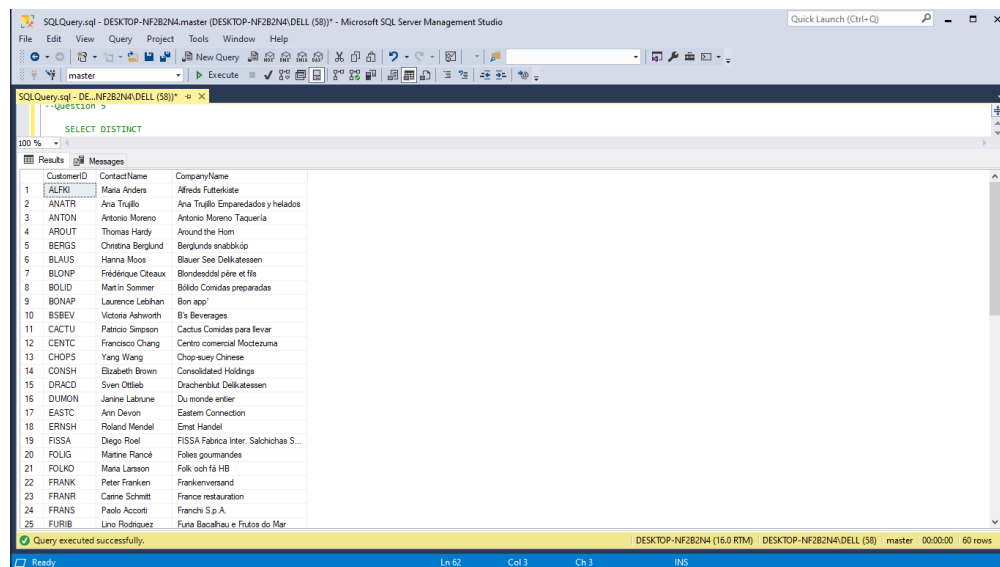


Figure 5: Visualization for Query 5

### Question 6

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

```
SELECT
    CustomerID,
    ContactName,
    CompanyName
FROM
    [Northwind].[dbo].[Customers]
WHERE
    Region IS NULL OR Region = '';
```



CustomerID	ContactName	CompanyName
ALFKI	Maria Anders	Alfreds Futterkiste
ANATR	Ana Trujillo	Ana Trujillo Emparedados y helados
ANTON	Antonio Moreno	Antonio Moreno Taqueria
AROUT	Thomas Hardy	Around the Horn
BERGS	Christina Berglund	Berglunds snabbköp
BLAUS	Hanna Moos	Blauer See Delikatessen
BLONP	Frédérique Citeaux	Bonnesdél pain et fils
BOLID	Martín Sommer	Bólido Comidas preparadas
BONAP	Laurence Leblond	Bon app'
BSBEV	Victoria Ashworth	B's Beverages
CACTU	Patricia Simpson	Cactus Comidas para llevar
CEMTC	Francisco Chang	Centro comercial Moctezuma
CHOPS	Yang Wang	Chop-ney Chinese
CONSH	Elizabeth Brown	Consolidated Holdings
DRACD	Sven Ottlieb	Drachenblut Delikatessen
DUMON	Janine Labrousse	Du monde entier
EASTC	Ann Devon	Eastern Connection
ERNSH	Roland Mendel	Ernst Handel
FISMA	Diego Roel	FISSA Fabrica Inter. Salchichas S...
FOLIG	Martine Raynaud	Foies gras raynaud
FOLKO	Maria Larsson	Folk och fä HB
FRANK	Peter Franken	Frankenversand
FRANR	Carmen Schmitt	France restauration
FRANS	Paolo Accorti	Franchi S.p.A.
FURIB	Lino Rodriguez	Furia Bacalhau e Fritos do Mar

Figure 6: Visualization for Query 6

### Question 7

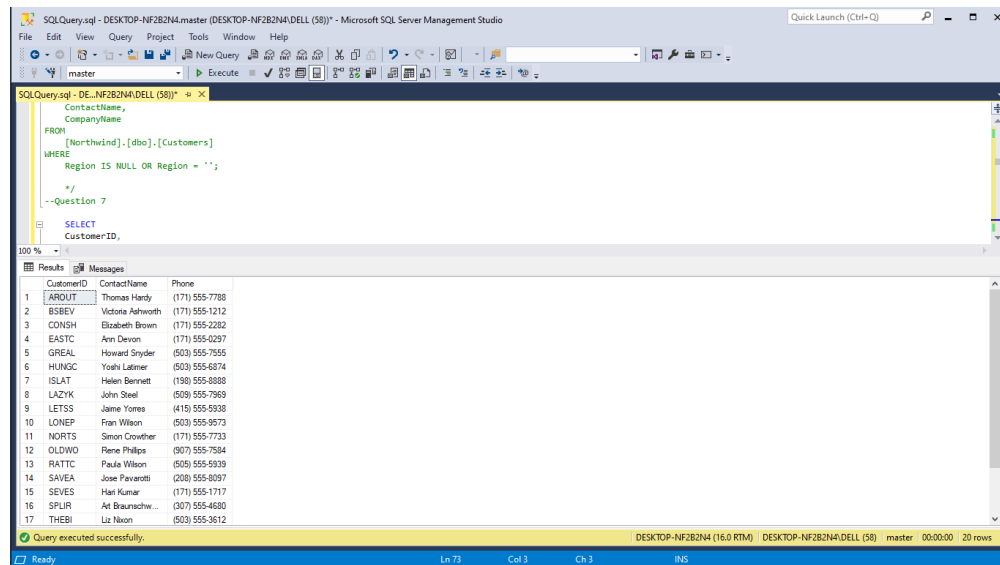
Enlist the names of customers along with contact number who either belong to the UK or USA.

```
SELECT
    CustomerID,
    ContactName,
    Phone
FROM
    [Northwind].[dbo].[Customers]
```



WHERE

Country IN ('UK', 'USA');



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The top pane displays a SQL query in the 'Query' window. The query is as follows:

```
SELECT  
    ContactName,  
    CompanyName  
FROM  
    [Northwind].[dbo].[Customers]  
WHERE  
    Region IS NULL OR Region = '';  
--Question 7  
SELECT  
    CustomerID,
```

The bottom pane shows the 'Results' window with a table of 20 rows. The table has three columns: CustomerID, ContactName, and Phone. The data is as follows:

CustomerID	ContactName	Phone
1	AROUT	Thomas Hardy (171) 555-7788
2	BISBEV	Victoria Ashworth (171) 555-1212
3	CORSHI	Elizabeth Brown (171) 555-2282
4	EASTC	Ann Devon (171) 555-4297
5	GREAL	Howard Snyder (503) 555-7555
6	HUNGC	Yoshi Latimer (503) 555-6874
7	ISLAT	Helen Bennett (198) 555-8888
8	LAZYK	John Steel (509) 555-7969
9	LETSS	Jame Yoree (415) 555-5938
10	LONEP	Fran Wilson (503) 555-9573
11	NORTS	Simon Crowther (171) 555-7723
12	OLDWO	Rene Philips (907) 555-7594
13	RATTC	Paula Wilson (505) 555-9309
14	SAVEA	Jose Pavarotti (208) 555-8097
15	SEVES	Hari Kumar (171) 555-1717
16	SPLIR	Art Braunschweig (307) 555-4680
17	THEBI	Liz Nixon (503) 555-3612

The status bar at the bottom indicates 'Query executed successfully.' and '20 rows'.

Figure 7: Visualization for Query 7