SUPERVISED BY:

Prof. Nazeef Ul Haq

SUBMITTED BY:

Waleed Ahmed 2022-CS-41
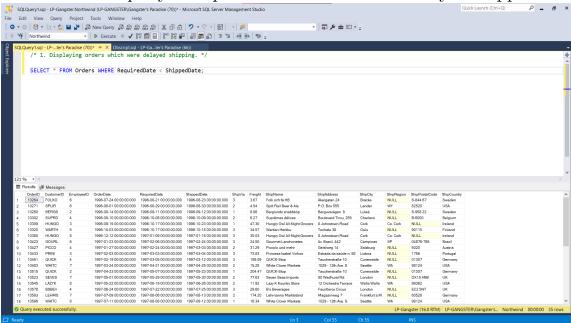
SUBJECT:

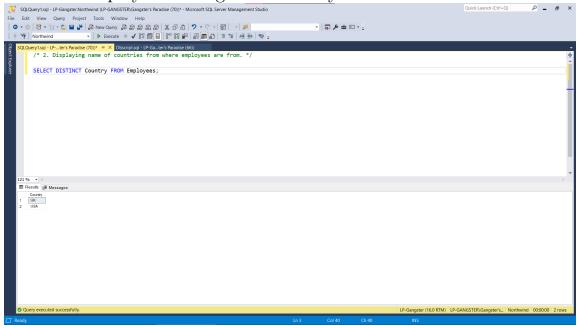Lab 03 Hometask

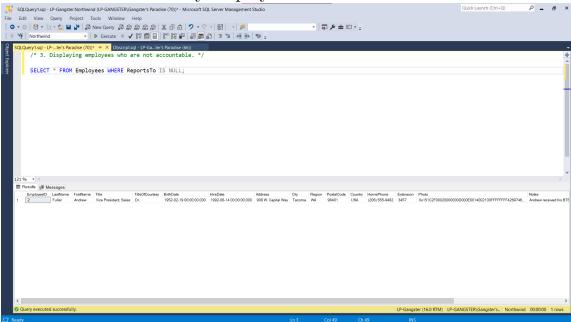**SECTION:**

A

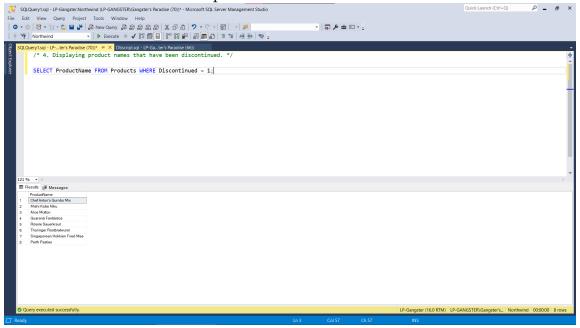# 1. Write a query to report orders which were delayed shipped.


```sql
/* 1. Displaying orders which were delayed shipping. */

SELECT * FROM Orders WHERE RequiredDate < ShippedDate;
```

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode	ShipCountry
1	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 fä HB	Åkergatan 24	Bräcke	NULL	S-844 67	Sweden
2	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	Split Rail Beer & Ale	P.O. Box 555	Lander	WY	82520	USA
3	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	Berguvsvägen 8	Luleå	NULL	S-958 22	Sweden
4	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 Tirou, 255	Charleroi	NULL	B-6000	Belgium
5	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 Johnstown Road	Cork	Co. Cork	NULL	Ireland
6	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	Oulu	NULL	90110	Finland
7	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 Johnstown Road	Cork	Co. Cork	NULL	Ireland
8	10423	GOURL	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 Lanchonetes	Av. Brasil, 442	Campinas	SP	04876-786	Brazil
9	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	Piccolo und mehr	Geislweg 14	Salzburg	NULL	5020	Austria
10	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	Princesa Isabel Vinhos	Estrada da saúde n. 58	Lisboa	NULL	1756	Portugal
11	10451	QUICK	4	1997-02-19 00:00:00.000	1997-03-05 00:00:00.000	1997-03-12 00:00:00.000	3	189.09	QUICK-Stop	Taucherstraße 10	Cunewalde	NULL	01307	Germany
12	10483	WHITC	7	1997-03-24 00:00:00.000	1997-04-21 00:00:00.000	1997-04-25 00:00:00.000	2	15.28	White Clover Markets	1029 - 12th Ave. S.	Seattle	WA	98124	USA
13	10515	QUICK	2	1997-04-23 00:00:00.000	1997-05-07 00:00:00.000	1997-05-23 00:00:00.000	1	204.47	QUICK-Stop	Taucherstraße 10	Cunewalde	NULL	01307	Germany
14	10523	SEVES	7	1997-05-01 00:00:00.000	1997-05-29 00:00:00.000	1997-05-30 00:00:00.000	2	77.63	Seven Seas Imports	90 Wadhurst Rd.	London	NULL	OX15 4NB	UK
15	10545	LAZYK	7	1997-05-22 00:00:00.000	1997-06-19 00:00:00.000	1997-06-26 00:00:00.000	2	11.92	Lazy K Kountry Store	12 Orchestra Terrace	Walla Walla	WA	99362	USA
16	10578	BSBEV	4	1997-06-24 00:00:00.000	1997-07-22 00:00:00.000	1997-07-25 00:00:00.000	3	29.60	B's Beverages	Fauntleroy Circus	London	NULL	EC2 5NT	UK
17	10593	LEHMS	7	1997-07-09 00:00:00.000	1997-08-06 00:00:00.000	1997-08-13 00:00:00.000	2	174.20	Lehmanns Marktstand	Magazinweg 7	Frankfurt a.M.	NULL	60528	Germany
18	10596	WHITC	8	1997-07-11 00:00:00.000	1997-08-08 00:00:00.000	1997-08-12 00:00:00.000	1	16.34	White Clover Markets	1029 - 12th Ave. S.	Seattle	WA	98124	USA

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


```sql
/* 2. Displaying name of countries from where employees are from. */

SELECT DISTINCT Country FROM Employees;
```

	Country
1	UK
2	USA

3. Is there any employee who is not accountable?


```sql
/* 3. Displaying employees who are not accountable. */

SELECT * FROM Employees WHERE ReportsTo IS NULL;
```

	EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country	HomePhone	Extension	Photo	Notes
1	2	Fuller	Andrew	Vice President, Sales	Dr.	1952-02-19 00:00:00.000	1992-08-14 00:00:00.000	908 W. Capital Way	Tacoma	WA	98401	USA	(206) 555-9482	3457	0x151C2F0002000000D000E0014002100FFFFFFF4269746...	Andrew received his BTS

4. List the names of products which have been discontinued.


```sql
/* 4. Displaying product names that have been discontinued. */

SELECT ProductName FROM Products WHERE Discontinued = 1;
```

	ProductName
1	Chef Anton's Gumbo Mix
2	Mishi Kobe Niku
3	Alice Mutton
4	Guaraná Fantástica
5	Rössle Sauerkraut
6	Thüringer Rostbratwurst
7	Singaporean Hokkien Fried Mee
8	Perth Pasties

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

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

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

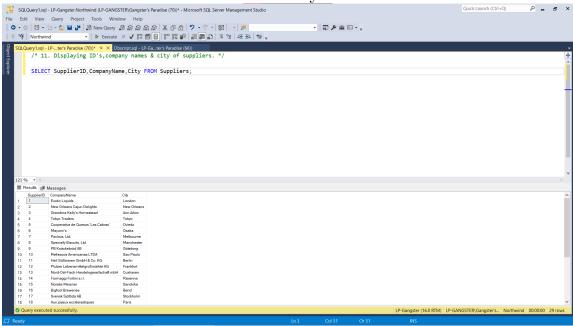8. Report the names of companies who have provided their web page.
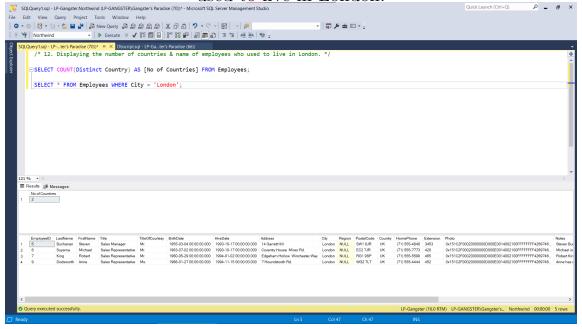
9. In which countries, products were sold in year 1997.

```sql
/* 9. Displaying the name of countries that sold products in 1997. */

SELECT DISTINCT ShipCountry FROM Orders WHERE OrderDate >= '1997-01-01 00:00:00.000' AND OrderDate <= '1997-12-31 00:00:00.000';
```

	ShipCountry
1	Argentina
2	Austria
3	Belgium
4	Brazil
5	Canada
6	Denmark
7	Finland
8	France
9	Germany
10	Ireland
11	Italy
12	Mexico
13	Norway
14	Poland
15	Portugal
16	Spain
17	Sweden
18	Switzerland

10. List the ids of customers whose orders were never shipped.

```sql
/* 10. Displaying the ID's of customers whose orders were never shipped. */

SELECT CustomerID FROM Orders WHERE ShippedDate IS NULL;
```

	CustomerID
1	ERNSH
2	RANCH
3	GREAL
4	BOTTM
5	LAMAI
6	CACTU
7	BLAUS
8	RICAR
9	GREAL
10	REGGC
11	LILAS
12	QUEEN
13	LEHMS
14	ERNSH
15	PERIC
16	SIMOB
17	RICSU
18	BONAP

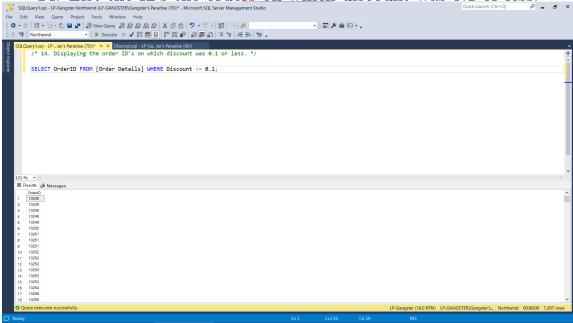11. Write a query to report suppliers with their id, company name and city.

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

13. List the names of products which have not been discontinued.

14. List the IDs the orders on which discount was 0.1 or less.

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