

LAB 3 TASKS



Submitted To:

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Submitted By:

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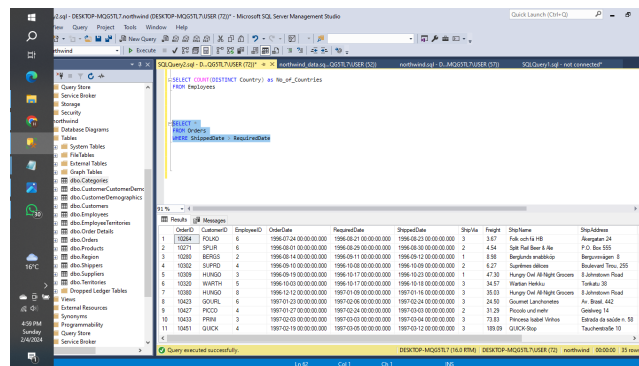
1 Query

Write a query to report orders which were delayed shipped.

1.1 SQL CODE

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

1.2 Screenshot



The screenshot shows the Microsoft SQL Server Enterprise Manager interface. The 'Query Results' pane displays a table with columns: OrderID, CustomerID, EmployeeID, OrderDate, RequiredDate, ShippedDate, ShipVia, Freight, ShipName, and ShipAddress. The table contains 11 rows of data representing orders that were shipped later than their required date.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress
10288	QUICK	6	1996-02-28 00:00:00.000	1996-03-27 00:00:00.000	1996-03-27 00:00:00.000	1	1.07	Fido mark's MB	Bangalore 58
10271	SPUR	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	Salt Flat Beer & Ale	P.O. Box 555
10289	QUICK	2	1996-08-14 00:00:00.000	1996-08-11 00:00:00.000	1996-08-12 00:00:00.000	1	8.58	Regalish wedding	Bergengien 6
10282	SPUR	4	1996-09-10 00:00:00.000	1996-10-09 00:00:00.000	1996-10-09 00:00:00.000	2	6.27	Scarfless elices	Buikewent Tons 255
10289	QUICK	3	1996-09-19 00:00:00.000	1996-10-17 00:00:00.000	1996-10-20 00:00:00.000	1	47.30	Hungry Owl All-Right Groceries	J. Johnsson Road
10288	QUICK	5	1996-10-03 00:00:00.000	1996-10-17 00:00:00.000	1996-10-18 00:00:00.000	3	34.87	Waters Hedley	Tokyo 30
10288	QUICK	6	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-Right Groceries	J. Johnsson Road
10420	QUICK	4	1997-01-12 00:00:00.000	1997-02-04 00:00:00.000	1997-02-24 00:00:00.000	3	24.65	Guinness Luscious	Av. Blvd 442
10427	QUICK	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	Produce and more	Gedney 14
10420	QUICK	3	1997-02-02 00:00:00.000	1997-02-02 00:00:00.000	1997-02-04 00:00:00.000	3	72.63	Produce and more	Estimote de la rue n. 58
10421	QUICK	4	1997-02-19 00:00:00.000	1997-03-09 00:00:00.000	1997-03-12 00:00:00.000	3	189.09	QUICK Stop	Tauntonville 10

Figure 1: Screenshot of the results

2 Query

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

2.1 SQL CODE

```
SELECT COUNT(DISTINCT Country) as No_of_Countries FROM Employees;
```

2.2 Screenshot

3 Query

List the names of products which have been discontinued.

3.1 SQL CODE

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

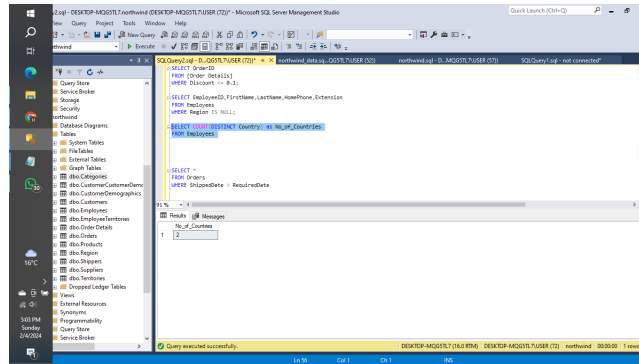


Figure 2: Screenshot of the results

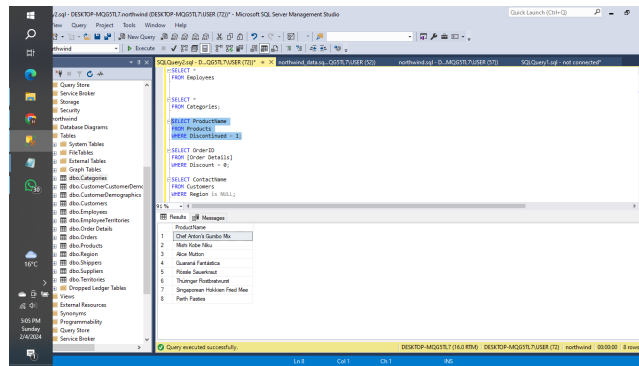


Figure 3: Screenshot of the results

3.2 Screenshot

4 Query

Is there any employee who is not accountable?

4.1 SQL CODE

```
SELECT CASE WHEN ReportsTo IS NULL THEN 'YES' ELSE 'NO' END AS Result FROM Emplo
```

4.2 Screenshot

5 Query

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

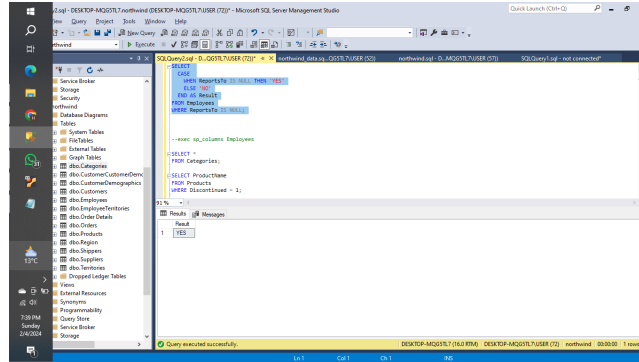


Figure 4: Screenshot of the results

5.1 SQL CODE

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

5.2 Screenshot

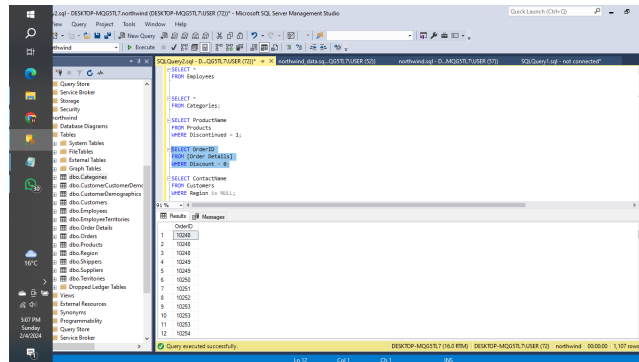


Figure 5: Screenshot of the results

6 Query

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

6.1 SQL CODE

SELECT ContactName FROM Customers WHERE Region is NULL;

6.2 Screenshot

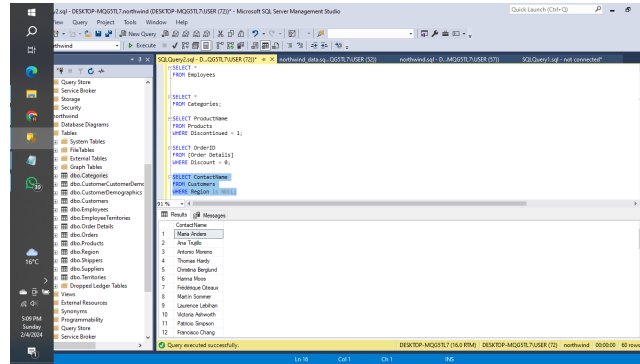


Figure 6: Screenshot of the results

7 Query

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

7.1 SQL CODE

```
SELECT ContactName,Phone FROM Customers WHERE Country = 'USA' OR Country = 'UK';
```

7.2 Screenshot

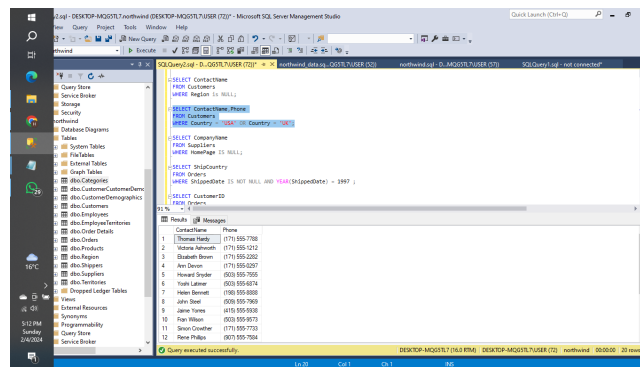


Figure 7: Screenshot of the results

8 Query

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

8.1 SQL CODE

```
SELECT CompanyName FROM Suppliers WHERE HomePage IS NOT NULL;
```

8.2 Screenshot

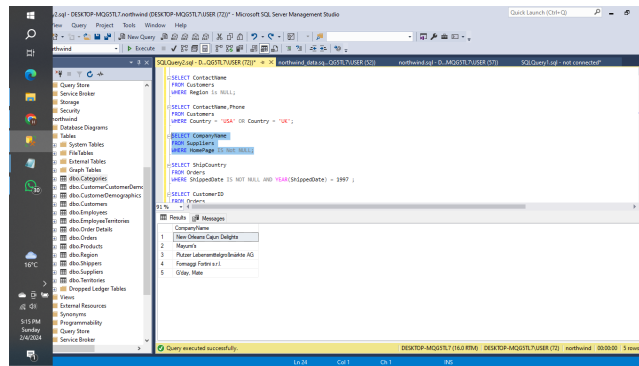


Figure 8: Screenshot of the results

9 Query

In which countries, products were sold in year 1997.

9.1 SQL CODE

```
SELECT ShipCountry FROM Orders WHERE ShippedDate IS NOT NULL AND YEAR(ShippedDate) = 1997 ;
```

9.2 Screenshot

10 Query

List the ids of customers whose orders were never shipped.

10.1 SQL CODE

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

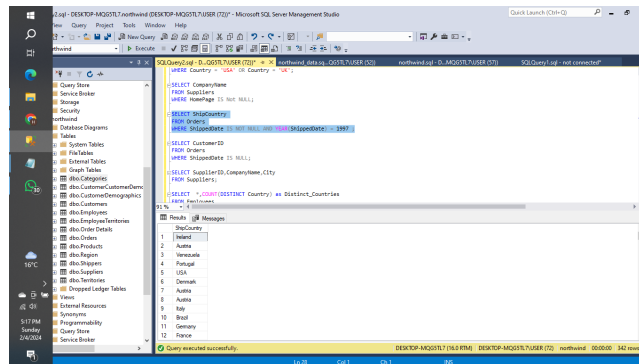


Figure 9: Screenshot of the results

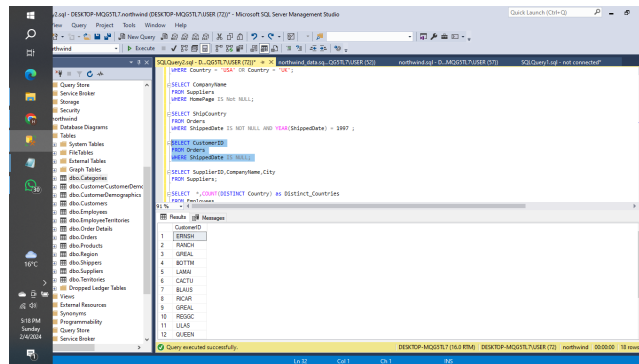


Figure 10: Screenshot of the results

10.2 Screenshot

11 Query

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

11.1 SQL CODE

```
SELECT SupplierID,CompanyName,City FROM Suppliers;
```

11.2 Screenshot

12 Query

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

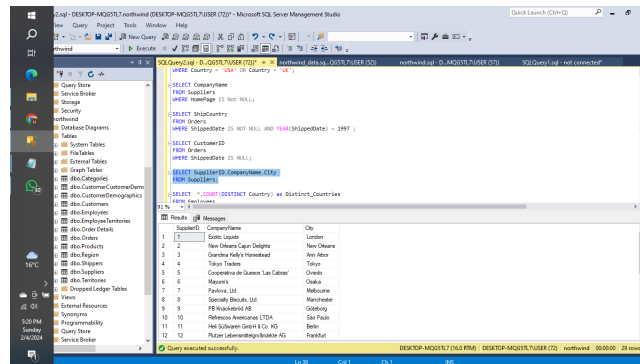


Figure 11: Screenshot of the results

12.1 SQL CODE

```
SELECT COUNT(DISTINCT Country) as Distinct_Countries
FROM Employees;
SELECT *
FROM Employees
WHERE City = 'London';
```

12.2 Screenshot

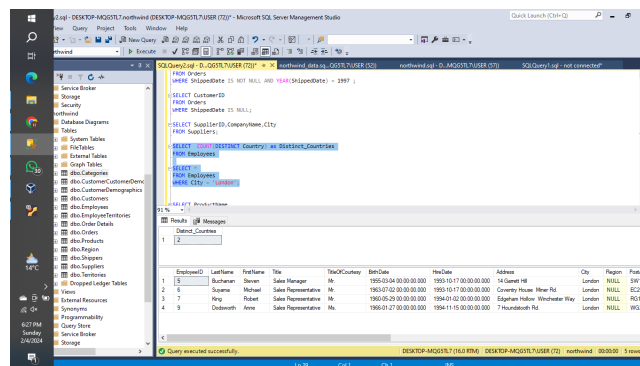


Figure 12: Screenshot of the results

13 Query

List the names of products which have not been discontinued.

13.1 SQL CODE

```
SELECT ProductName FROM Products WHERE Discontinued = 0;
```

13.2 Screenshot

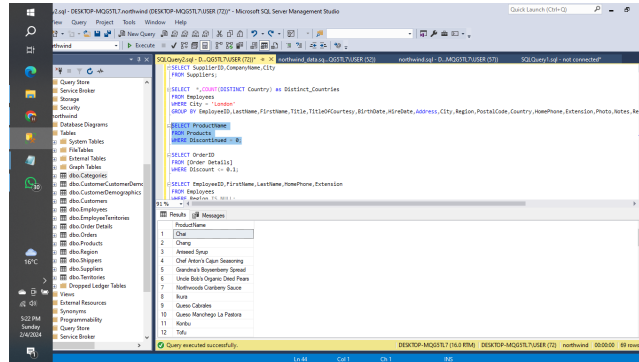


Figure 13: Screenshot of the results

14 Query

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

14.1 SQL CODE

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

14.2 Screenshot

15 Query

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

15.1 SQL CODE

```
SELECT EmployeeID,FirstName,LastName,HomePhone,Extension FROM Employees WHERE Region IS NULL
```

15.2 Screenshot

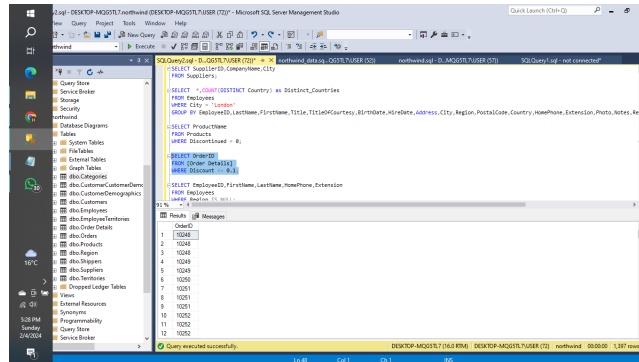


Figure 14: Screenshot of the results

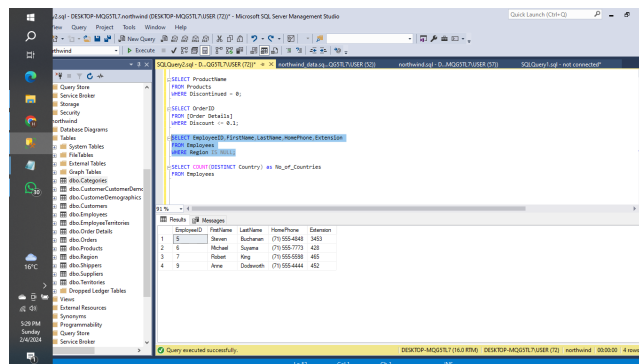


Figure 15: Screenshot of the results