DataBase System LAB3



Session 2022 - 2026

Abdul Rehman 2022-CS-79

Submitted To:

Mr. Nazeef Ul Haq

Department of Computer Science **University of Engineering and Technology Lahore Pakistan**

Contents

1	Question 1:			
	1.1	Write a query to report orders which were delayed shipped	4	
	1.2	Result	4	
2	Question 2:			
	2.1	Our employees belong to how many countries. List the names	5	
	2.2	Result	5	
3	Question 3:			
	3.1	Is there any employee who is not accountable?	6	
	3.2	Result	6	
4	Question 4:			
	4.1	List the names of products which have not been discontinued	7	
	4.2	Result	7	
5	Question 5:			
	5.1	List the IDs of the orders on which discount was 0.1 or less	8	
	5.2	Result	8	
6	Question 6:			
	6.1	Enlist the names of customers along with contact number who either belong to		
		UK or USA	9	
	6.2	Result	9	
7	Que	estion 7:	10	
	7.1	List the names of products which have not been discontinued	10	
	7.2	Result	10	
8	Question 8:			
	8.1	List the IDs of the orders on which discount was 0.1 or less	11	
	8.2	Result	11	
9	Question 9:			
	9.1	Enlist the names of customers who have not specified their region	12	
	9.2	Result	12	

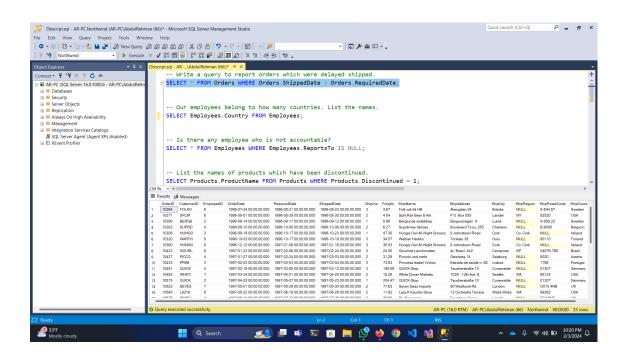
10	Question 10:		
	0.1 List the IDs of customers whose orders were never shipped	. 13	
	0.2 Result	. 13	
11	Question 11:		
	1.1 Write a query to report suppliers with their id, company name, and city	. 14	
	1.2 Result	. 14	
12	Question 12:	15	
	2.1 Our employees belong to how many countries. List them who used to live in London	n. 15	
	2.2 Result	. 15	
13	Question 13:		
	3.1 List the names of products which have not been discontinued	. 16	
	3.2 Result	. 16	
14	Question 14:	17	
	4.1 List the IDs of the orders on which discount was 0.1 or less	. 17	
	4.2 Result	. 17	
15	Question 15:		
	5.1 Enlist the IDs, names of employees, and their contact number with extensions		
	who have not specified their region	. 18	
	15.2 Result	1.8	

1 Question 1:

1.1 Write a query to report orders which were delayed shipped.

SQL Query:

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

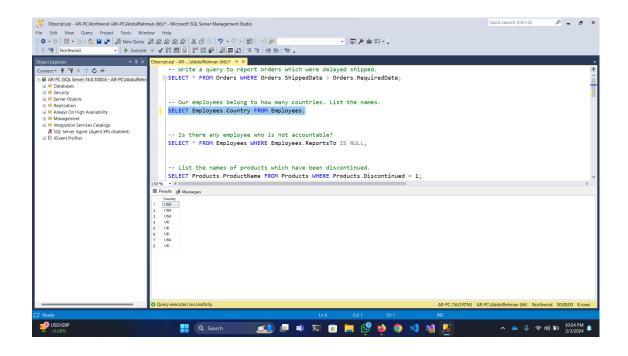


2 Question 2:

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

SQL Query:

```
SELECT Employees.Country
FROM Employees;
```

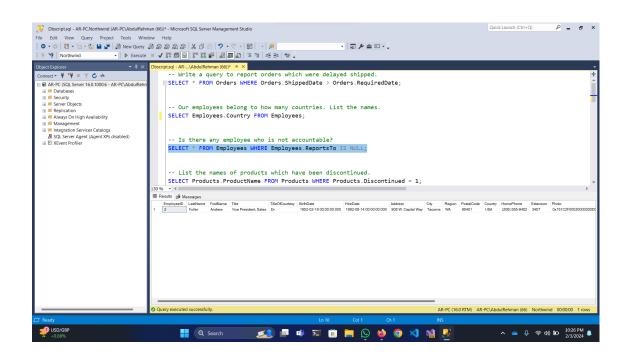


3 Question 3:

3.1 Is there any employee who is not accountable?

SQL Query:

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

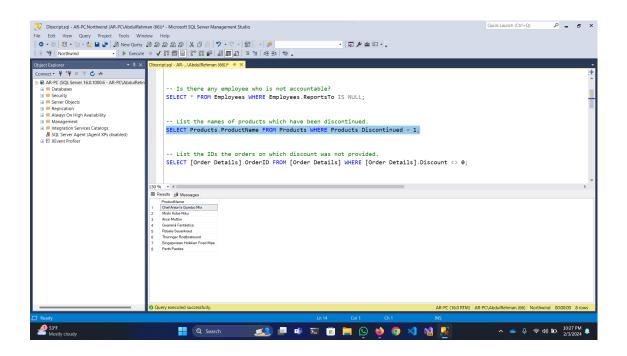


4 Question 4:

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

SQL Query:

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

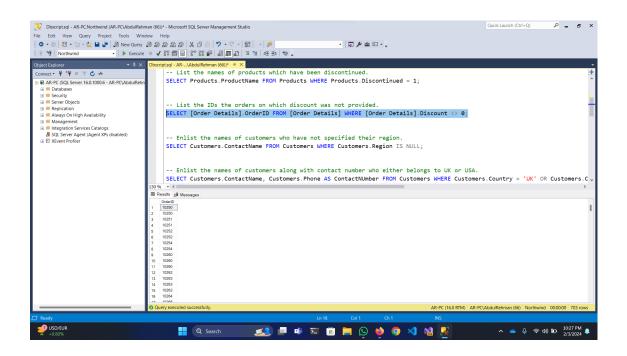


5 Question 5:

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

SQL Query:

```
SELECT [Order Details].OrderID
FROM [Order Details]
WHERE ([Order Details].Discount <= 0.1) AND [Order Details].Discount > 0;
```

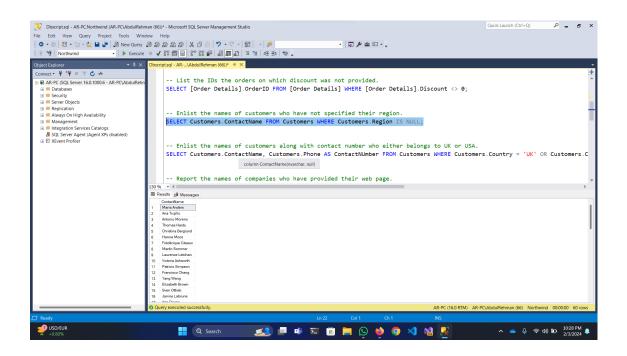


6 Question 6:

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

SQL Query:

SELECT Customers.ContactName, Customers.Phone AS ContactNumber
FROM Customers
WHERE Customers.Country = 'UK' OR Customers.Country = 'USA';

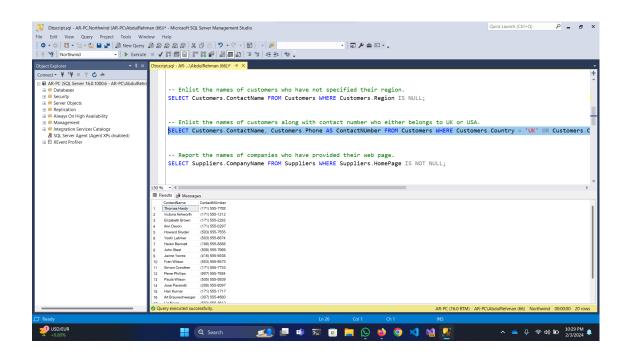


7 Question 7:

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

SQL Query:

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

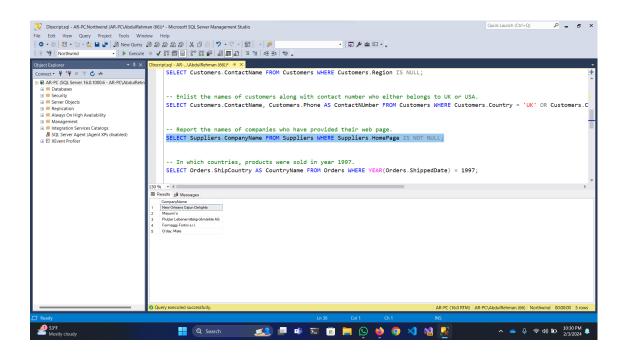


8 Question 8:

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

SQL Query:

```
SELECT [Order Details].OrderID
FROM [Order Details]
WHERE ([Order Details].Discount <= 0.1) AND [Order Details].Discount > 0;
```

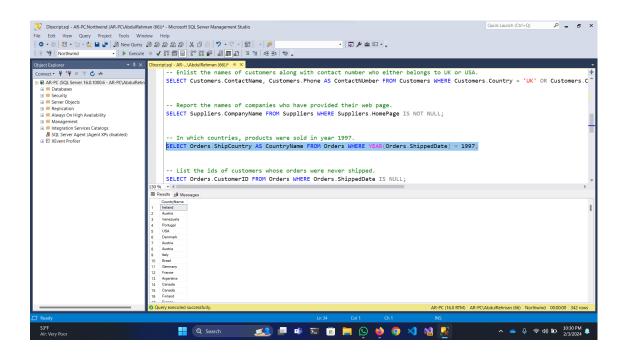


9 Question 9:

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

SQL Query:

SELECT Customers.ContactName
FROM Customers
WHERE Customers.Region IS NULL;

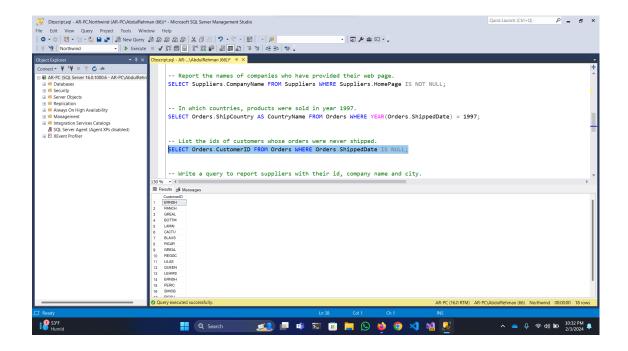


10 Question 10:

10.1 List the IDs of customers whose orders were never shipped.

SQL Query:

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

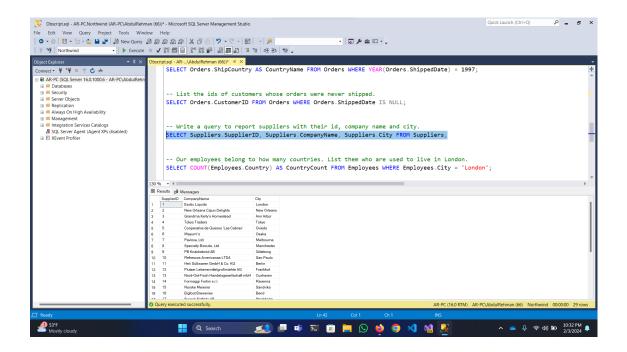


11 Question 11:

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

SQL Query:

SELECT Suppliers.SupplierID, Suppliers.CompanyName, Suppliers.City FROM Sup

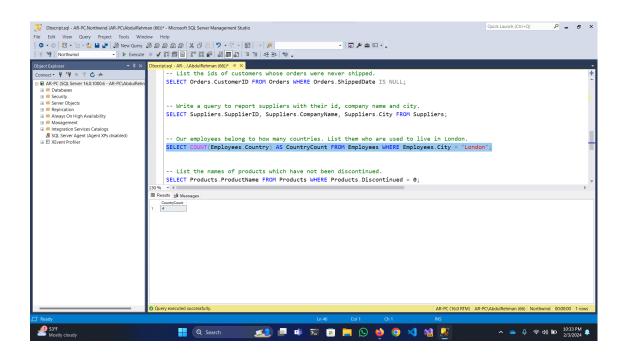


12 Question 12:

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

SQL Query:

```
SELECT COUNT(DISTINCT Employees.Country) AS CountryCount
FROM Employees
WHERE Employees.City = 'London';
```

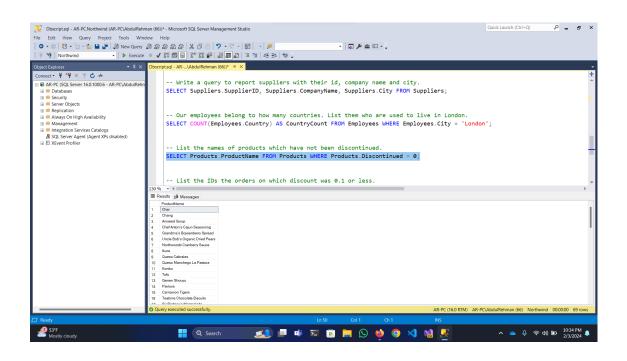


13 Question 13:

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

SQL Query:

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

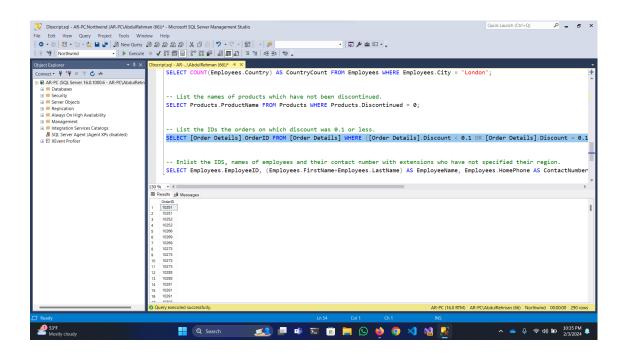


14 Question 14:

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

SQL Query:

```
SELECT [Order Details].OrderID
FROM [Order Details]
WHERE ([Order Details].Discount <= 0.1) AND [Order Details].Discount > 0;
```



15 Question 15:

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

SQL Query:

```
SELECT Employees.EmployeeID,

CONCAT(Employees.FirstName, '+', Employees.LastName) AS EmployeeName

Employees.HomePhone AS ContactNumber,

Employees.Extension

FROM Employees

WHERE Employees.Region IS NULL;
```

