

Database Lab-02

Home Assignment



Department OF Computer Sciences

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Date of Sub: 2024.02.04

1 QUESTION -01

Query : Select * from orders where Requireddate is less than Shipped-date

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

```
/* Question no : 1 */
/* Script time 2.46 PM */
/* Script date 02-02-24 */
Select * from Orders where RequiredDate < ShippedDate
```

The query has been executed successfully, returning 18 rows. The results are displayed in a table with the following columns: OrderID, CustomerID, EmployeeID, OrderDate, RequiredDate, ShippedDate, ShipVia, Freight, ShipName, and ShipAddress.

OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress
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 få 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	Split Rail 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 Tirou, 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	34.50	Wartian Herku	Tonikatu 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	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 Lanchonettes	Av. Brasil, 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	Piccolo und mehr	Geisweg 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	Princesa Isabel Vinhos	Estrada da saúde n. 58
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
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.
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
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.
10545	LAZYK	8	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
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
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
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.

2 QUESTION -02

Query : Select FirstName,Company from Employees

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

```
/* Question no : 2 */
/* Script time 2.48 PM */
/* Script date 02-02-24 */
Select FirstName, Country from Employees
```

The query has been executed successfully, returning 9 rows. The results are displayed in a table with the following columns: FirstName and Country.

FirstName	Country
Nancy	USA
Andrew	USA
Janet	USA
Margaret	USA
Steven	UK
Michael	UK
Robert	UK
Laura	USA
Anne	UK

3 QUESTION -03

Query : Select * from Employees where ReportTo is Null

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

```
/* Question no : 3 */
/* Script time 2.55 PM */
/* Script date 02-02-24 */
Select * from Employees where ReportTo IS NULL

/* Question no : 4 */
```

The query has been executed successfully, and the results are displayed in the Results pane. The results show a single row for the employee with EmployeeID 2, whose ReportTo is NULL.

EmployeeID	LastName	FirstName	Title	TitleOfCourtesy	BirthDate	HireDate	Address	City	Region	PostalCode	Country
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

4 QUESTION -04

Query : Select ProductName from Products where discount = 1

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

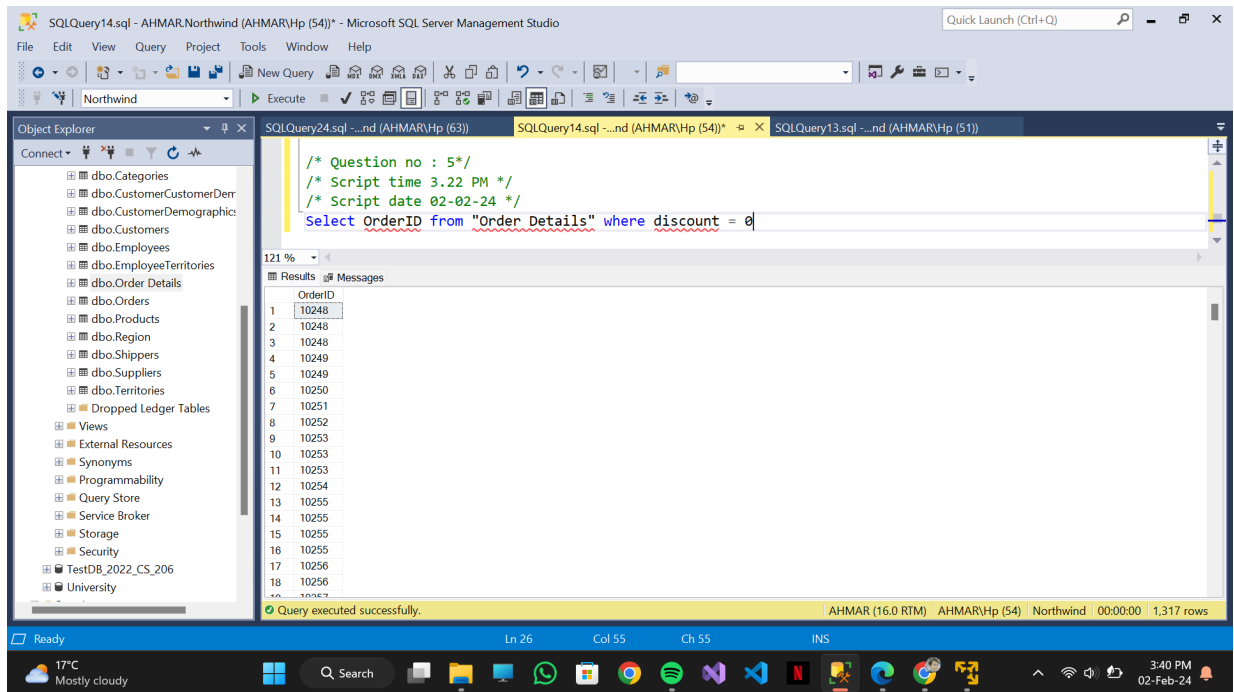
```
/* Question no : 4 */
/* Script time 3.15 PM */
/* Script date 02-02-24 */
Select ProductName from products where Discontinued = 1
```

The query has been executed successfully, and the results are displayed in the Results pane. The results show a list of product names that have been discontinued.

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

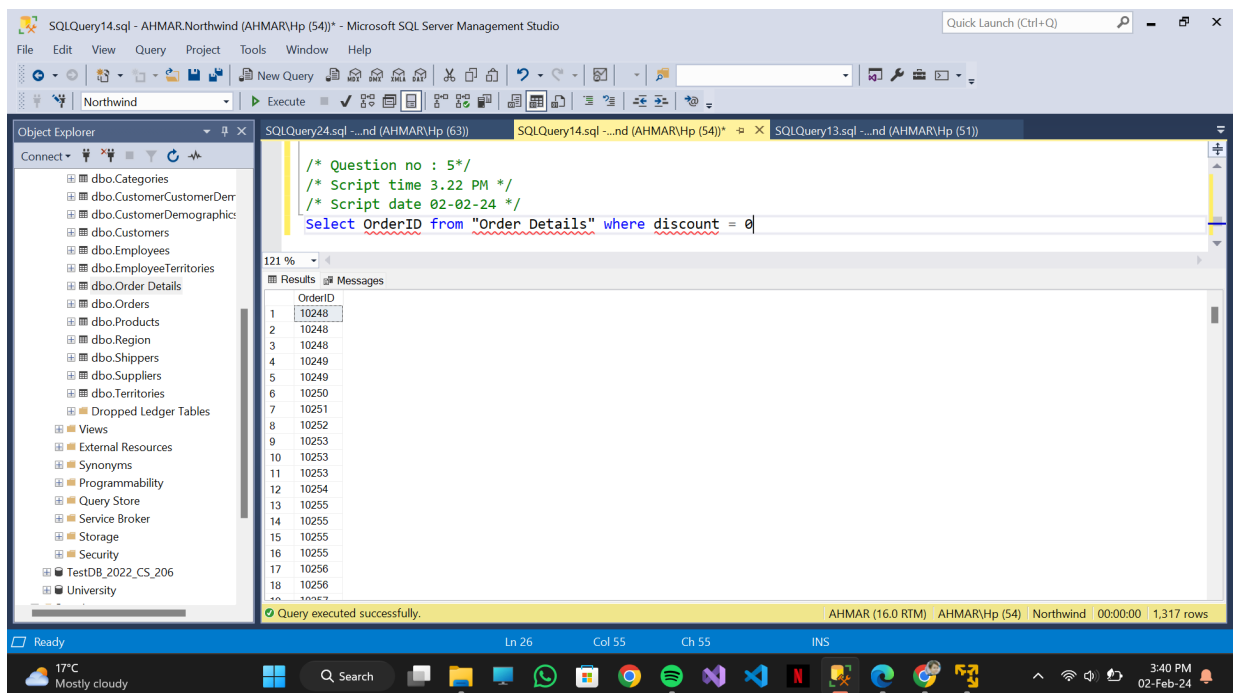
5 QUESTION -05

Query : Select OrderID from "Order Details" where discount = 0



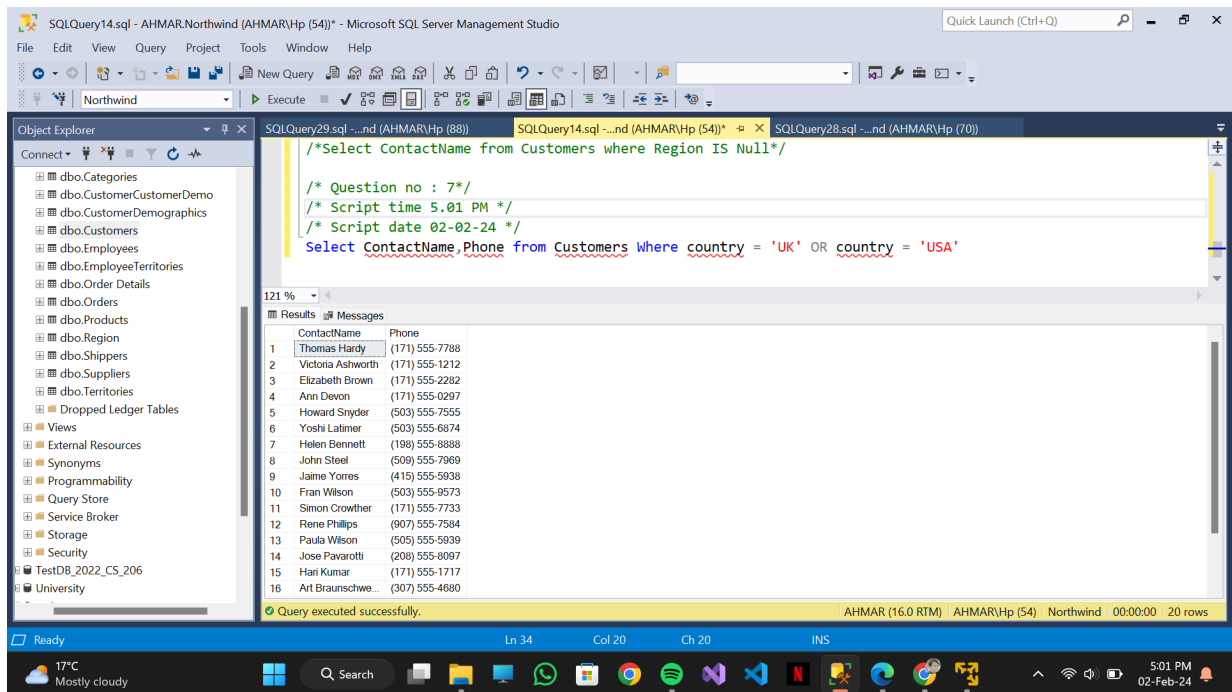
6 QUESTION -06

Query : Select ContactName from customers where Region is Null



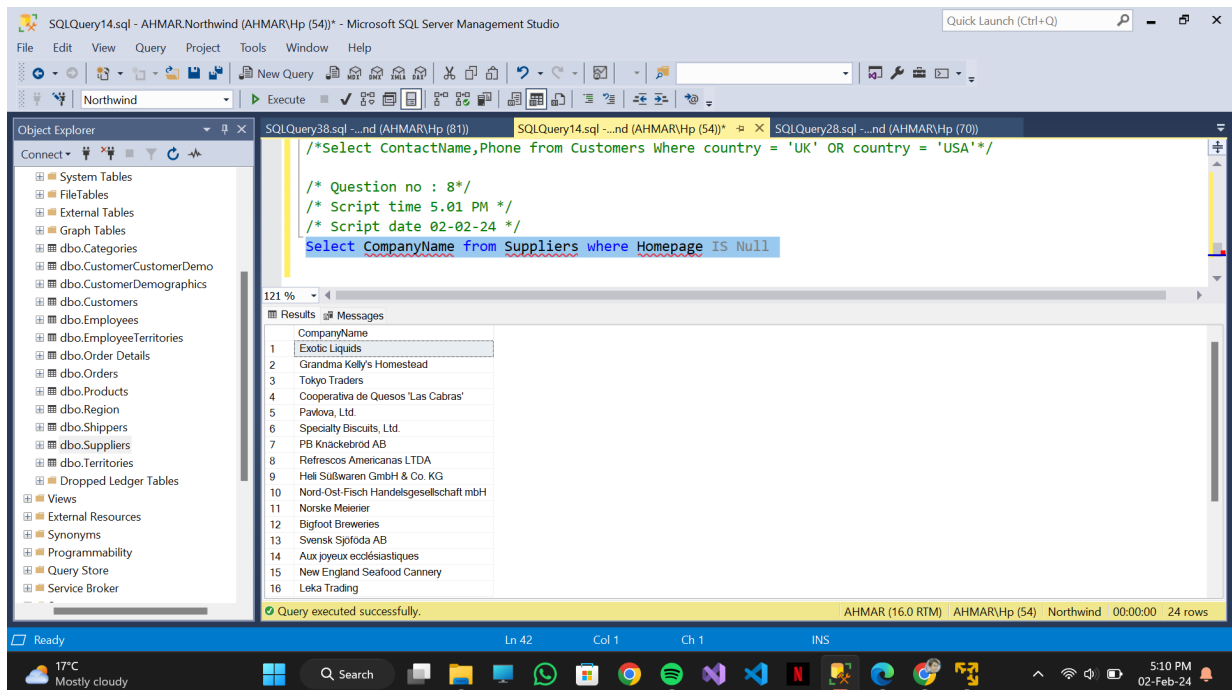
7 QUESTION -07

Query : Select ContactName, phone from customers where country = 'UK' OR country = 'USA'



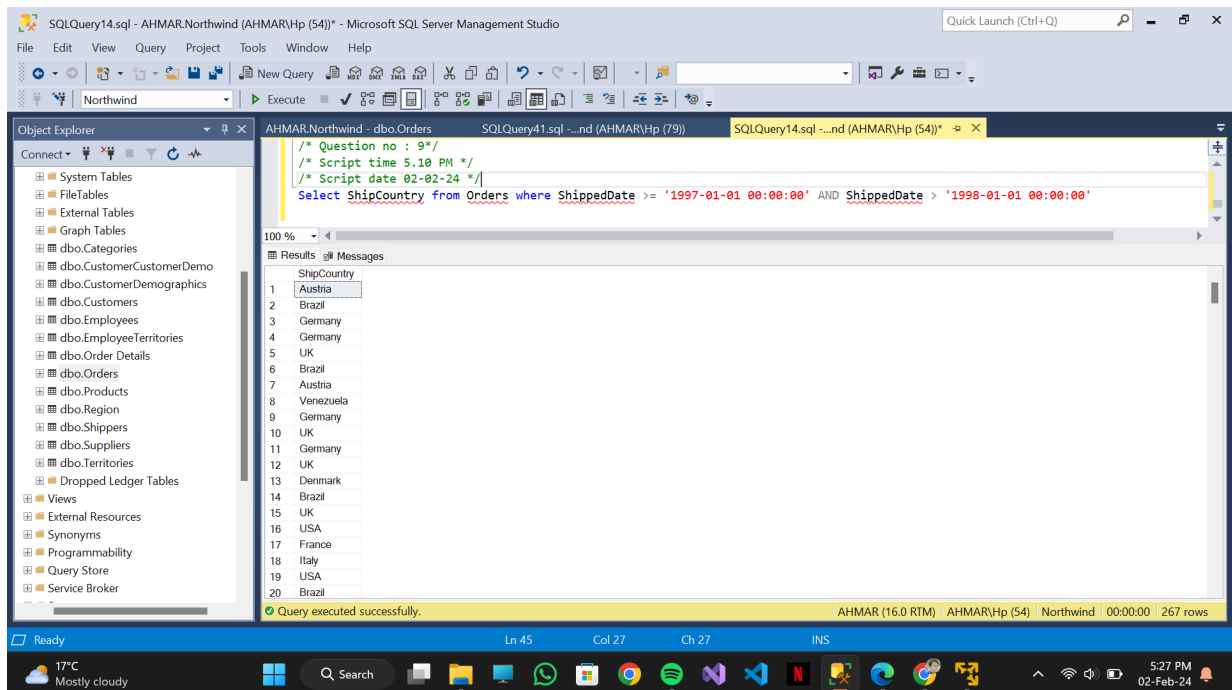
8 QUESTION -08

Query : Select CompanyName from Suppliers where Homepage is Null



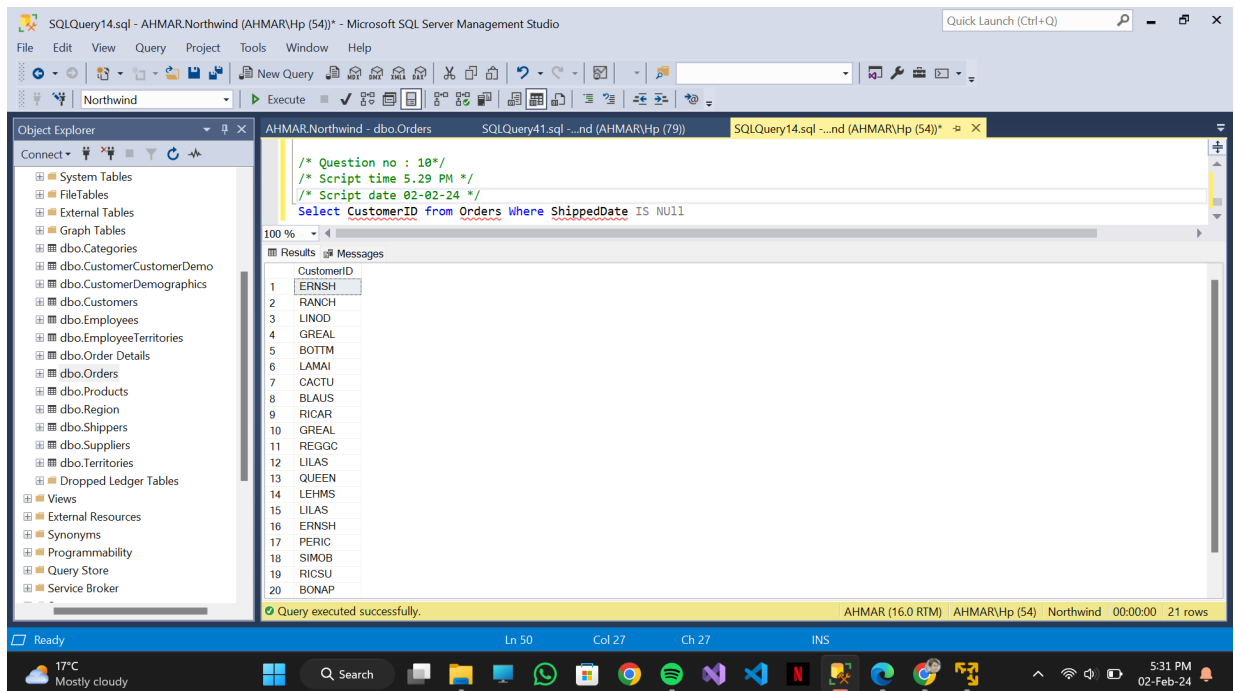
9 QUESTION -09

Query : Select ShipCountry from orders where ShippedDate is greater than equal to 1997-01-01 OR ShippedDate is less than 1998-01-01



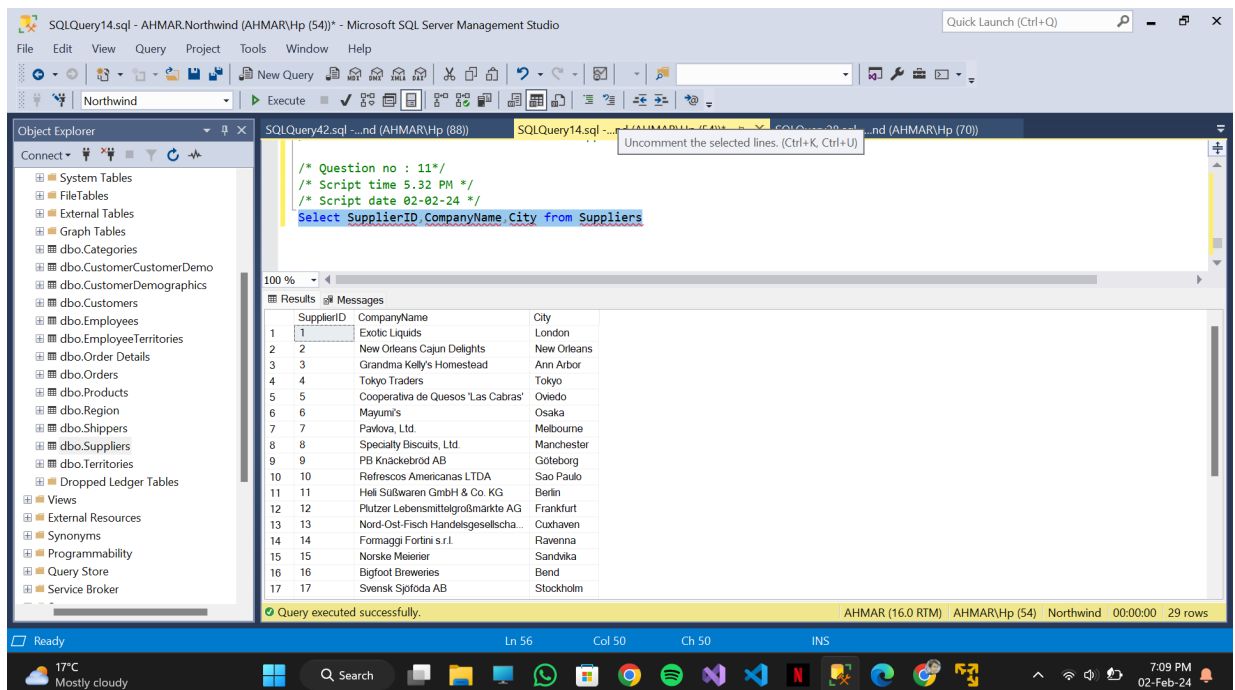
10 QUESTION -10

Query : Select CustomerID from from orders where shippedDate is NULL



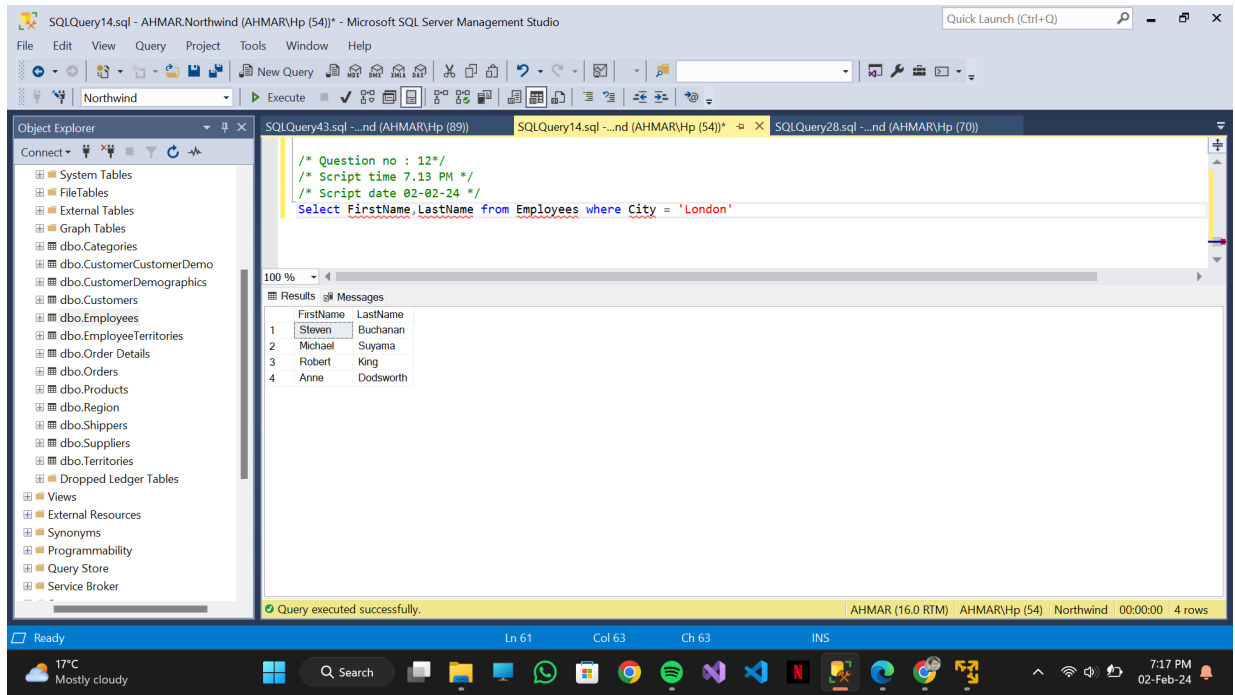
11 QUESTION -11

Query : Select SupplierID,CompanyName,City from Suppliers



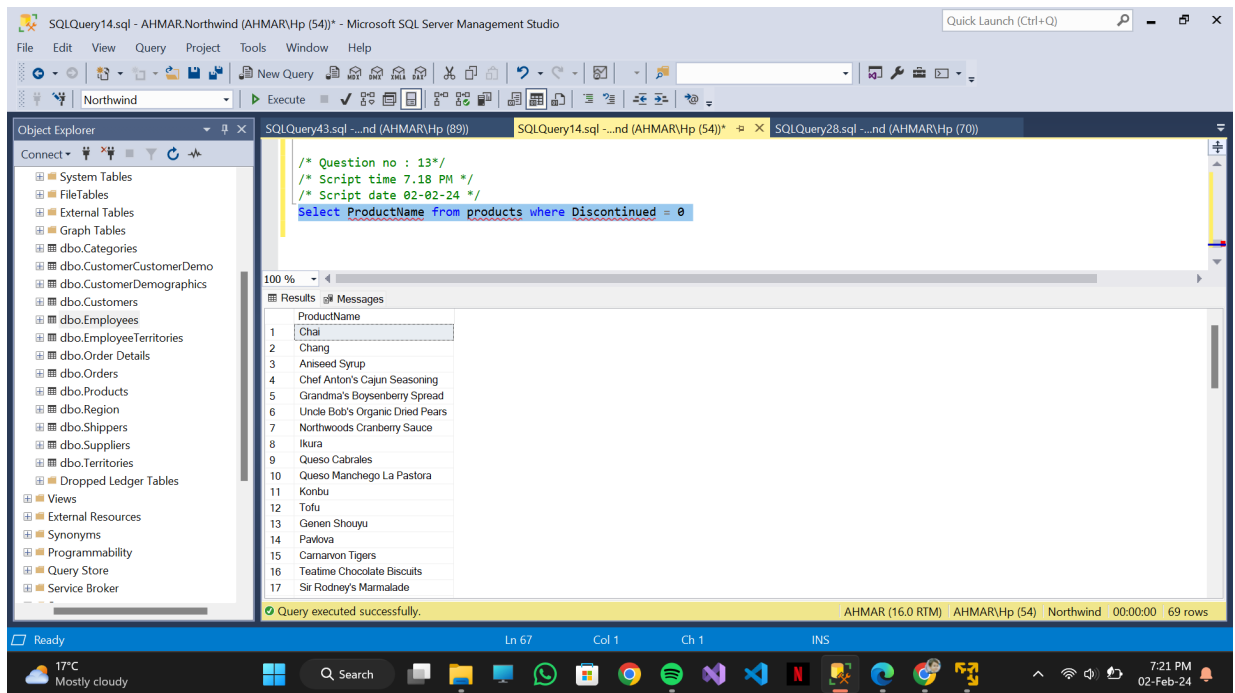
12 QUESTION -12

Query : Select FirstName,LastName from Employees where city = 'London'



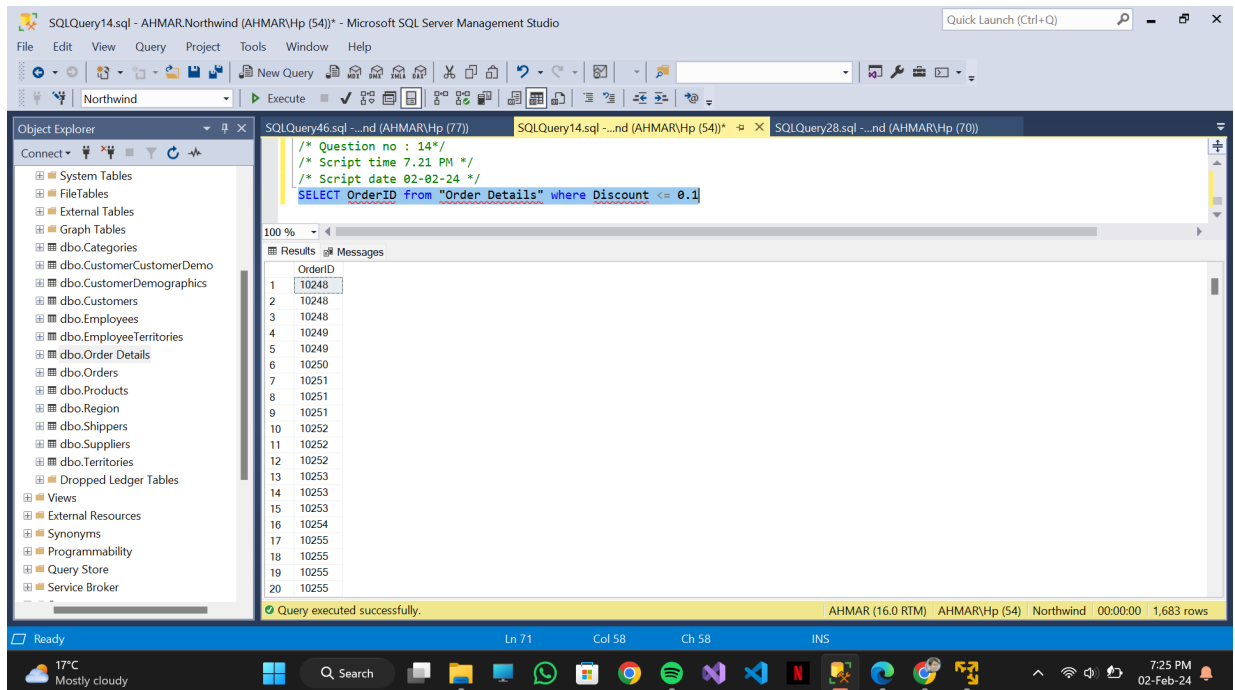
13 QUESTION -13

Query : Select ProductName from Products where Discontinued = 0



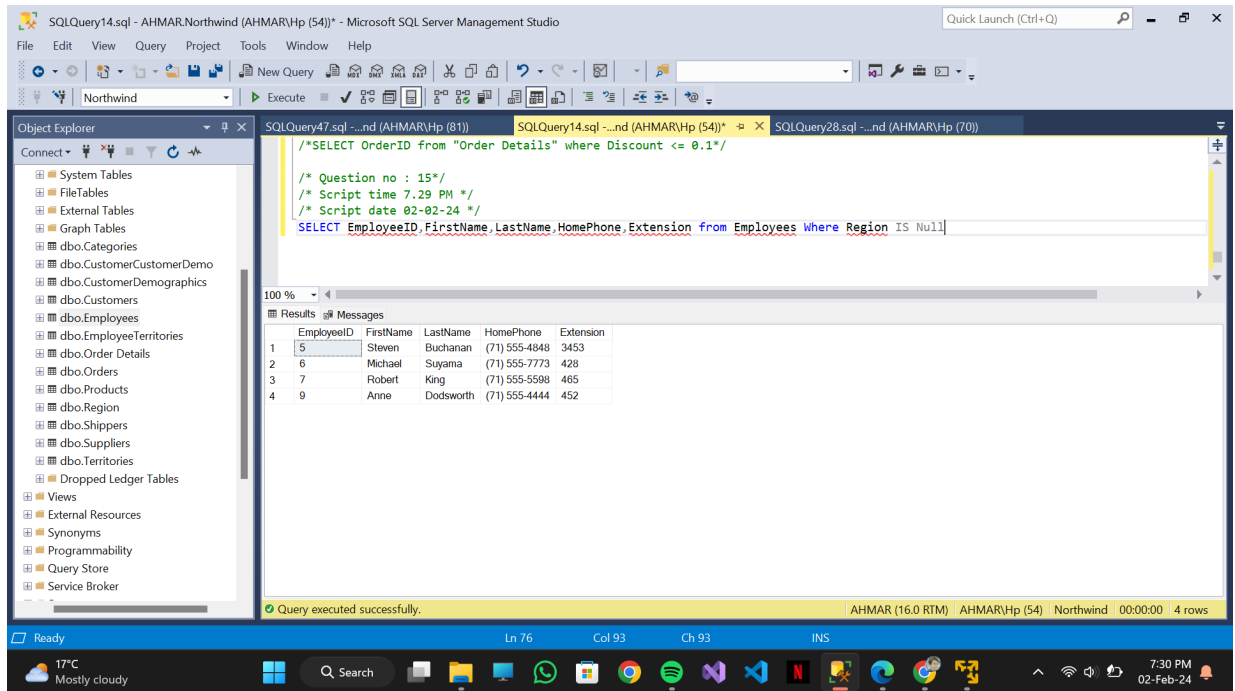
14 QUESTION -14

Query : Select OrderID from "Order details" where discount is less than equal to 0.1



15 QUESTION -15

Query : Select EmployeeID, FirstName, LastName, HomePhone, Extension from Employees where Region is Null



The screenshot displays the Microsoft SQL Server Management Studio interface. The 'Object Explorer' on the left shows the database structure for 'Northwind'. The 'Query Editor' in the center contains the following SQL query:

```
/*SELECT OrderID from "Order Details" where Discount <= 0.1*/  
  
/* Question no : 15*/  
/* Script time 7.29 PM */  
/* Script date 02-02-24 */  
SELECT EmployeeID, FirstName, LastName, HomePhone, Extension from Employees Where Region IS Null
```

The 'Results' pane at the bottom shows the output of the query, which is a table with 5 columns: EmployeeID, FirstName, LastName, HomePhone, and Extension. The table contains 4 rows of data:

EmployeeID	FirstName	LastName	HomePhone	Extension
5	Steven	Buchanan	(71) 555-4848	3453
6	Michael	Suyama	(71) 555-7773	428
7	Robert	King	(71) 555-5508	465
9	Anne	Dodsworth	(71) 555-4444	452

The status bar at the bottom indicates that the query was executed successfully, returning 4 rows. The system tray at the bottom shows the date and time as 7:30 PM on 02-Feb-24.