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CSCI 3287-320
Homework 4 SQL

1. SELECT CompanyName, Country
   FROM hwSuppliers
   WHERE Country IN ('Japan', 'Germany');

CompanyName	Country
▶ Tokyo Traders	Japan
Mayumi's	Japan
Heli Süßwaren GmbH & Co. KG	Germany
Plutzer Lebensmittelgroßmärkte AG	Germany
Nord-Ost-Fisch Handelsgesellschaft mbH	Germany

2. SELECT ProductName, QuantityPerUnit, UnitPrice
   FROM hwProducts
   WHERE UnitPrice < 7 AND UnitPrice > 4

ProductName	QuantityPerUnit	UnitPrice
Konbu	2 kg box	6.00
Guaraná Fantástica	12 - 355 ml cans	4.50

3. SELECT CompanyName, ContactTitle, City
   FROM hwCustomers
   WHERE Country = 'USA' AND City = 'Portland'
   OR Country = 'Canada' AND City = 'Vancouver';

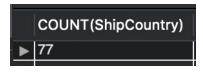| CompanyName	ContactTitle	City
▶ Laughing Bacchus Wine Cellars	Marketing Assistant	Vancouver
Lonesome Pine Restaurant	Sales Manager	Portland
The Big Cheese	Marketing Manager	Portland

4. SELECT ContactName, ContactTitle
   FROM hwSuppliers
   WHERE SupplierID >= 5 AND SupplierID <= 8
   ORDER BY SupplierID DESC;

ContactName	ContactTitle
▶ Peter Wilson	Sales Representative
Ian Devling	Marketing Manager
Mayumi Ohno	Marketing Representative
Antonio del Valle Saavedra	Export Administrator

5. SELECT ProductName, UnitPrice
   FROM hwProducts
   WHERE UnitPrice = (SELECT MIN(UnitPrice) FROM hwProducts);

ProductName	UnitPrice
Geitost	2.50

6. SELECT COUNT(ShipCountry)
   FROM hwOrders
   WHERE NOT 'USA' AND ShippedDate
   BETWEEN '2015-04-05' AND '2015-05-05'

COUNT(ShipCountry)
▶ 77

7. SELECT FirstName, LastName, DATE_FORMAT(HireDate, '%m/%d/%Y') AS DateHired
   FROM hwEmployees
   WHERE NOT Country = 'USA' AND HireDate >= YEAR(CURRENT_TIMESTAMP) - 5;

FirstName	LastName	DateHired
▶ Steven	Buchanan	10/17/2013
Michael	Suyama	10/17/2011
Robert	King	09/02/2012
Anne	Dodsworth	11/15/2004

8. SELECT ProductName, (UnitsInStock * UnitPrice) AS 'Inventory Value'
FROM hwProducts
WHERE (UnitsInStock * UnitPrice) BETWEEN 3000 and 4000 ;

ProductName	Inventory Value
▶ Grandma's Boysenberry Spread	3000.00
Queso Manchego La Pastora	3268.00
Sir Rodney's Marmalade	3240.00
Sirop d'érable	3220.50

9. SELECT ProductName, UnitsInStock, ReorderLevel
FROM hwProducts
WHERE (ProductName LIKE 'S%') AND (UnitsInStock > 0) AND (UnitsInStock <= ReorderLevel);

ProductName	UnitsInStock	ReorderLevel
▶ Sir Rodney's Scones	3	5
Scottish Longbreads	6	15

10. SELECT ProductName, UnitPrice
FROM hwProducts
WHERE Discontinued = 1;

ProductName	UnitPrice
▶ Chef Anton's Gumbo Mix	21.35
Mishi Kobe Niku	97.00
Alice Mutton	39.00
Guaraná Fantástica	4.50
Rössle Sauerkraut	45.60
Thüringer Rostbratwurst	123.79
Singaporean Hokkien Fried Mee	14.00
Perth Pasties	32.80

11. SELECT hwProducts.ProductName, (hwProducts.UnitsInStock * hwProducts.UnitPrice)
    AS InventoryValue
    FROM hwProducts
    INNER JOIN hwSuppliers ON hwProducts.SupplierID = hwSuppliers.SupplierID
    WHERE hwSuppliers.Country = 'Japan';

ProductName	InventoryValue
Mishi Kobe Niku	2813.00
Ikura	961.00
Konbu	144.00
Tofu	813.75
Genen Shouyu	604.50
Longlife Tofu	40.00

12. SELECT Country, COUNT(Country)
    FROM hwCustomers
    GROUP BY Country
    HAVING COUNT(Country) > 8;

Country	COUNT(Country)
Germany	11
Brazil	9
USA	13

13. SELECT hwOrders.ShipCountry, hwOrders.ShipCity, COUNT(OrderID)
    FROM hwOrders
    GROUP BY hwOrders.ShipCountry, hwOrders.ShipCity
    HAVING hwOrders.ShipCountry = 'Austria' OR hwOrders.ShipCountry = 'Argentina';

ShipCountry	ShipCity	COUNT(OrderID)
Austria	Graz	30
Austria	Salzburg	10
Argentina	Buenos Aires	16

14. SELECT CompanyName, ProductName
    FROM hwSuppliers, hwProducts
    WHERE Country = 'Spain';

CompanyName	ProductName
Cooperativa de Quesos 'Las Cabras'	Chai
Cooperativa de Quesos 'Las Cabras'	Chang
Cooperativa de Quesos 'Las Cabras'	Aniseed Syrup
Cooperativa de Quesos 'Las Cabras'	Chef Anton's Cajun Seasoning
Cooperativa de Quesos 'Las Cabras'	Chef Anton's Gumbo Mix
Cooperativa de Quesos 'Las Cabras'	Grandma's Boysenberry Spread
Cooperativa de Quesos 'Las Cabras'	Uncle Bob's Organic Dried Pears
Cooperativa de Quesos 'Las Cabras'	Northwoods Cranberry Sauce
Cooperativa de Quesos 'Las Cabras'	Mishi Kobe Niku
Cooperativa de Quesos 'Las Cabras'	Ikura
Cooperativa de Quesos 'Las Cabras'	Queso Cabrales
Cooperativa de Quesos 'Las Cabras'	Queso Manchego La Pastora
Cooperativa de Quesos 'Las Cabras'	Konbu
Cooperativa de Quesos 'Las Cabras'	Tofu
Cooperativa de Quesos 'Las Cabras'	Genen Shouyu
Cooperativa de Quesos 'Las Cabras'	Pavlova
Cooperativa de Quesos 'Las Cabras'	Alice Mutton
Cooperativa de Quesos 'Las Cabras'	Carnarvon Tigers
Cooperativa de Quesos 'Las Cabras'	Teatime Chocolate Biscuits
Cooperativa de Quesos 'Las Cabras'	Sir Rodney's Marmalade
Cooperativa de Quesos 'Las Cabras'	Sir Rodney's Scones
Cooperativa de Quesos 'Las Cabras'	Gustaf's Knäckebröd
Cooperativa de Quesos 'Las Cabras'	Tunnbröd
Cooperativa de Quesos 'Las Cabras'	Guaraná Fantástica
Cooperativa de Quesos 'Las Cabras'	NuNuCa Nuß-Nougat-Creme
Cooperativa de Quesos 'Las Cabras'	Gumbär Gummibärchen
Cooperativa de Quesos 'Las Cabras'	Schoggi Schokolade
Cooperativa de Quesos 'Las Cabras'	Rössle Sauerkraut
Cooperativa de Quesos 'Las Cabras'	Thüringer Rostbratwurst
Cooperativa de Quesos 'Las Cabras'	Nord-Ost Matjeshering
Cooperativa de Quesos 'Las Cabras'	Gorgonzola Telino
Cooperativa de Quesos 'Las Cabras'	Mascarpone Fabioli
Cooperativa de Quesos 'Las Cabras'	Geitost
Cooperativa de Quesos 'Las Cabras'	Sasquatch Ale
Cooperativa de Quesos 'Las Cabras'	Steeleye Stout

Result 4

Action Output

	Time	Action	Response	Duratio
✓ 17	12:40:21	SELECT CompanyName, ProductName FROM...	77 row(s) returned	0.0004

15. SELECT CAST(AVG(UnitPrice) AS DECIMAL(10,2)) AS AverageUnitPrice
    FROM hwProducts
    WHERE (ProductName LIKE '%T');

AverageUnitPrice
► 39.42

16. SELECT CONCAT(FirstName,' ',LastName) AS FullName, Title, COUNT(OrderID)
    FROM hwEmployees, hwOrders
    GROUP BY FirstName, LastName, Title
    HAVING COUNT(OrderID) > 120;

FullName	Title	COUNT(OrderID)
► Nancy Davolio	Sales Representative	830
Andrew Fuller	Vice President of Sales	830
Janet Leverling	Sales Representative	830
Margaret Peacock	Sales Representative	830
Steven Buchanan	Sales Manager	830
Michael Suyama	Sales Representative	830
Robert King	Sales Representative	830
Laura Callahan	Inside Sales Coordinator	830
Anne Dodsworth	Sales Representative	830

17. SELECT hwCustomers.CompanyName, hwCustomers.Country
    FROM hwCustomers
    INNER JOIN hwOrders ON hwCustomers.customerID=hwOrders.OrderID
    WHERE hwOrders.orderID IS NULL;

18. SELECT CategoryName, ProductName
    FROM hwCategories, hwProducts
    WHERE UnitsInStock = 0;

Beverages	Chef Anton's Gumbo Mix
Beverages	Alice Mutton
Beverages	Thüringer Rostbratwurst
Beverages	Gorgonzola Telino
Beverages	Perth Pasties
Condiments	Chef Anton's Gumbo Mix
Condiments	Alice Mutton
Condiments	Thüringer Rostbratwurst
Condiments	Gorgonzola Telino
Condiments	Perth Pasties
Confections	Chef Anton's Gumbo Mix
Confections	Alice Mutton
Confections	Thüringer Rostbratwurst
Confections	Gorgonzola Telino
Confections	Perth Pasties
Dairy Products	Chef Anton's Gumbo Mix
Dairy Products	Alice Mutton
Dairy Products	Thüringer Rostbratwurst
Dairy Products	Gorgonzola Telino
Dairy Products	Perth Pasties
Grains/Cereals	Chef Anton's Gumbo Mix
Grains/Cereals	Alice Mutton
Grains/Cereals	Thüringer Rostbratwurst
Grains/Cereals	Gorgonzola Telino
Grains/Cereals	Perth Pasties

Result 1

Action Output

	Time	Action	Response
✓ 1	12:50:22	SELECT CategoryName, ProductName FROM...	40 row(s) returned

19. SELECT ProductName, QuantityPerUnit
    FROM hwProducts, hwSuppliers
    WHERE (QuantityPerUnit LIKE '%pkg%' OR QuantityPerUnit LIKE '%pkgs%' OR
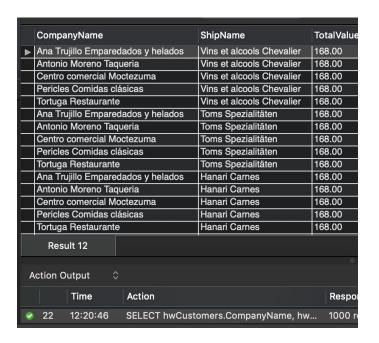   QuantityPerUnit LIKE '%jar%') AND Country = 'Japan';

ProductName	QuantityPerUnit	
Chef Anton's Cajun Seasoning	48 - 6 oz jars	
Chef Anton's Cajun Seasoning	48 - 6 oz jars	
Grandma's Boysenberry Spread	12 - 8 oz jars	
Grandma's Boysenberry Spread	12 - 8 oz jars	
Uncle Bob's Organic Dried Pears	12 - 1 lb pkgs.	
Uncle Bob's Organic Dried Pears	12 - 1 lb pkgs.	
Northwoods Cranberry Sauce	12 - 12 oz jars	
Northwoods Cranberry Sauce	12 - 12 oz jars	
Mishi Kobe Niku	18 - 500 g pkgs.	
Mishi Kobe Niku	18 - 500 g pkgs.	
Ikura	12 - 200 ml jars	
Ikura	12 - 200 ml jars	
Queso Cabrales	1 kg pkg.	
Queso Cabrales	1 kg pkg.	
Queso Manchego La Pastora	10 - 500 g pkgs.	
Queso Manchego La Pastora	10 - 500 g pkgs.	
Tofu	40 - 100 g pkgs.	
Tofu	40 - 100 g pkgs.	
Carnarvon Tigers	16 kg pkg.	
Carnarvon Tigers	16 kg pkg.	
Sir Rodney's Scones	24 pkgs. x 4 pie…	
Sir Rodney's Scones	24 pkgs. x 4 pie…	
Gustaf's Knäckebröd	24 - 500 g pkgs.	
Gustaf's Knäckebröd	24 - 500 g pkgs.	
Tunnbröd	12 - 250 g pkgs.	
Tunnbröd	12 - 250 g pkgs.	
Gorgonzola Telino	12 - 100 g pkgs	
Gorgonzola Telino	12 - 100 g pkgs	
Mascarpone Fabioli	24 - 200 g pkgs.	
Mascarpone Fabioli	24 - 200 g pkgs.	
Inlagd Sill	24 - 250 g jars	
Inlagd Sill	24 - 250 g jars	
Gravad lax	12 - 500 g pkgs.	
Gravad lax	12 - 500 g pkgs.	
Singaporean Hokkien Fried Mee	32 - 1 kg pkgs.	

Result 21

Action Output

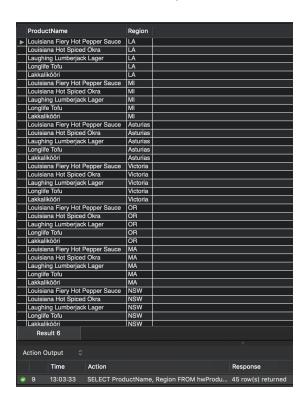|	Time	A	Response
✓ 23	13:53:55	S	64 row(s) returned

20. SELECT hwCustomers.CompanyName, hwOrders.ShipName,
    CAST((hwOrderDetails.UnitPrice * hwOrderDetails.Quantity) AS DECIMAL (10,2)) AS
    TotalValue
    FROM hwCustomers, hwOrders, hwOrderDetails
    WHERE hwOrders.OrderID = hwOrders.OrderID AND hwCustomers.Country = 'Mexico';

CompanyName	ShipName	TotalValue
Ana Trujillo Emparedados y helados	Vins et alcools Chevalier	168.00
Antonio Moreno Taqueria	Vins et alcools Chevalier	168.00
Centro comercial Moctezuma	Vins et alcools Chevalier	168.00
Pericles Comidas clásicas	Vins et alcools Chevalier	168.00
Tortuga Restaurante	Vins et alcools Chevalier	168.00
Ana Trujillo Emparedados y helados	Toms Spezialitäten	168.00
Antonio Moreno Taqueria	Toms Spezialitäten	168.00
Centro comercial Moctezuma	Toms Spezialitäten	168.00
Pericles Comidas clásicas	Toms Spezialitäten	168.00
Tortuga Restaurante	Toms Spezialitäten	168.00
Ana Trujillo Emparedados y helados	Hanari Carnes	168.00
Antonio Moreno Taqueria	Hanari Carnes	168.00
Centro comercial Moctezuma	Hanari Carnes	168.00
Pericles Comidas clásicas	Hanari Carnes	168.00
Tortuga Restaurante	Hanari Carnes	168.00

Result 12

Action Output

	Time	Action	Respon
✅ 22	12:20:46	SELECT hwCustomers.CompanyName, hw...	1000 r

21. SELECT ProductName, Region
    FROM hwProducts, hwSuppliers
    WHERE (ProductName LIke 'L%') AND (Region <>'');

ProductName	Region
Louisiana Fiery Hot Pepper Sauce	LA
Louisiana Hot Spiced Okra	LA
Laughing Lumberjack Lager	LA
Longlife Tofu	LA
Lakkalikööri	LA
Louisiana Fiery Hot Pepper Sauce	MI
Louisiana Hot Spiced Okra	MI
Laughing Lumberjack Lager	MI
Longlife Tofu	MI
Lakkalikööri	MI
Louisiana Fiery Hot Pepper Sauce	Asturias
Louisiana Hot Spiced Okra	Asturias
Laughing Lumberjack Lager	Asturias
Longlife Tofu	Asturias
Lakkalikööri	Asturias
Louisiana Fiery Hot Pepper Sauce	Victoria
Louisiana Hot Spiced Okra	Victoria
Laughing Lumberjack Lager	Victoria
Longlife Tofu	Victoria
Lakkalikööri	Victoria
Louisiana Fiery Hot Pepper Sauce	OR
Louisiana Hot Spiced Okra	OR
Laughing Lumberjack Lager	OR
Longlife Tofu	OR
Lakkalikööri	OR
Louisiana Fiery Hot Pepper Sauce	MA
Louisiana Hot Spiced Okra	MA
Laughing Lumberjack Lager	MA
Longlife Tofu	MA
Lakkalikööri	MA
Louisiana Fiery Hot Pepper Sauce	NSW
Louisiana Hot Spiced Okra	NSW
Laughing Lumberjack Lager	NSW
Longlife Tofu	NSW
Lakkalikööri	NSW

Result 6

Action Output

	Time	Action	Response
✅ 9	13:03:33	SELECT ProductName, Region FROM hwProdu...	45 row(s) returned

22. SELECT ShipCountry, ShipName, OrderDate, DATE_FORMAT(OrderDate, '%M/%Y')
    AS DateOfOrder From hwOrders WHERE ShipCity = 'Versailles';

23. SELECT ProductName, UnitsInStock, RANK() OVER (ORDER BY UnitsInStock DESC)
    FROM hwProducts
    WHERE (ProductName LIKE 'F%');

ProductName	UnitsInStock	RANK()
► Filo Mix	38	1
Flotemysost	26	2

24. SELECT ProductName, UnitsInStock, RANK() OVER (ORDER BY UnitsInStock DESC)
    FROM hwProducts
    WHERE (ProductName LIKE 'F%');

ProductName	UnitPrice	RANK()
► Aniseed Syrup	10.00	1
Chai	18.00	2
Chang	19.00	3
Chef Anton's Gumbo Mix	21.35	4
Chef Anton's Cajun Seasoning	22.00	5

25. **For the query, I'm not sure why, but it doesn't give me the right output, but on my other computer, it does.**
    SELECT FirstName, LastName, Country, DATE_FORMAT(BirthDate,'%m/%d/%Y') AS
    DOB, RANK() OVER (PARTITION BY Country ORDER BY BirthDate ASC)
    FROM hwEmployees
     WHERE BirthDate >= 19840000;

FirstName	LastName	Country	DOB	BirthOrder
Anne	Dodsworth	UK	01/27/1976	1
Michael	Suyama	UK	07/02/1983	2
Steven	Buchanan	UK	03/04/1985	3
Robert	King	UK	05/29/1990	4
Nancy	Davolio	USA	12/08/1978	1
Andrew	Fuller	USA	02/19/1982	2
Janet	Leverling	USA	08/30/1983	3
Margaret	Peacock	USA	09/19/1987	4
Laura	Callahan	USA	01/09/1988	5