

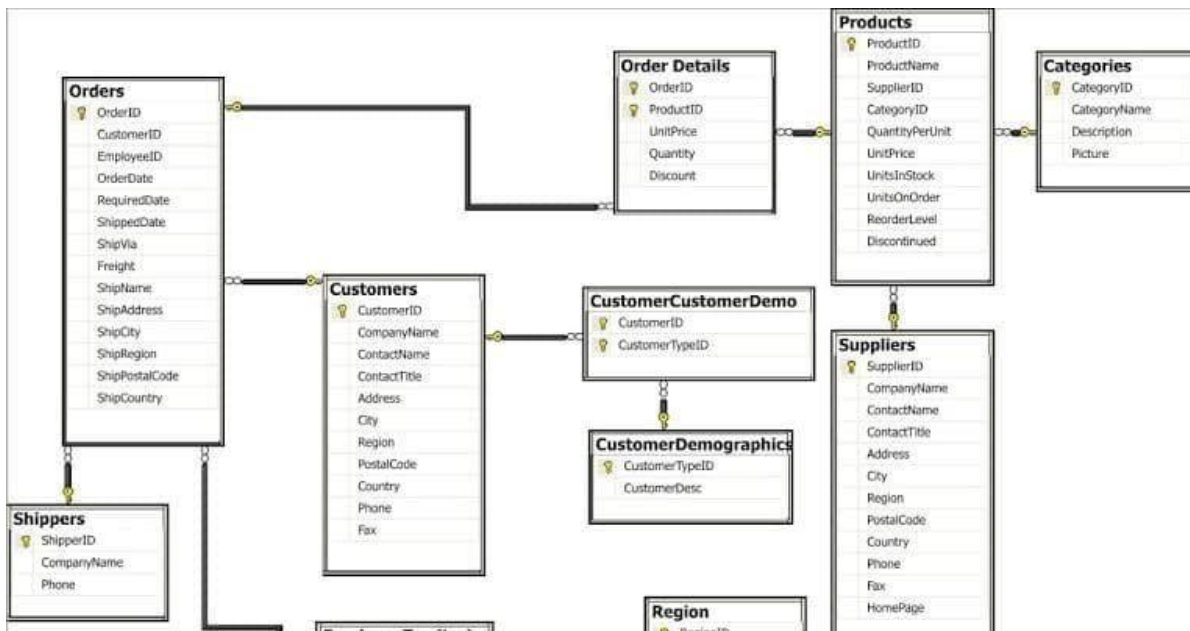
UANL
UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN

FCFM

FACULTAD DE CIENCIAS FÍSICO MATEMÁTICAS



Materia: Seguridad de Base de Datos



Nombre: César Hernández Obispo

Matrícula: 1740901

1. Select the total (sum) of products of the order 10248.

```
SELECT SUM(Quantity) 'Total de productos' FROM [Order Details] WHERE OrderID=10248
```

	Total de productos
1	27

2. Insert a client by completing all the fields in the table.

```
INSERT INTO
```

```
Customers
```

```
VALUES
```

```
('FIMAT','Fisico Matematico','Cesar Hernandez','Student','San sexto 132','Juarez  
NL','MX','67250','Mexico','8111754519','8111754519');
```

```
(1 row affected)
```

```
Completion time: 2021-02-20T22:16:49.8271463-06:00
```

3. Update the name of the new customer by passing the ID number obtained in point 2.

```
UPDATE Customers
```

```
SET ContactName='Cesar Hernandez Obispo'
```

```
WHERE CustomerID='FIMAT'
```

```
(1 row affected)
```

```
Completion time: 2021-02-20T22:17:37.4186567-06:00
```

4. Delete the client inserted in point 2.

```
DELETE Customers
```

```
WHERE CustomerID='FIMAT'
```

```
(1 row affected)
```

```
Completion time: 2021-02-20T22:18:37.9115696-06:00
```

5. Select the most expensive and cheapest product.

```
SELECT * FROM Products
```

```
WHERE UnitPrice=(SELECT MAX(UnitPrice) FROM Products) OR  
UnitPrice=(SELECT MIN(UnitPrice) FROM Products)
```

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	33	Geitost	15	4	500 g	2.50	112	0	20	0
2	38	Côte de Blaye	18	1	12 - 75 cl bottles	263.50	17	0	15	0

6. Select products whose existence is between 15 and 39 pieces.

```
SELECT * FROM Products WHERE UnitsInStock between 15 and 39
```

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	1	Chai	1	1	10 boxes x 20 bags	18.00	39	0	10	0
2	2	Chang	1	1	24 - 12 oz bottles	19.00	17	40	25	0
3	7	Uncle Bob's Organic Dried Pears	3	7	12 - 1 lb pkgs.	30.00	15	0	10	0
4	9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	97.00	29	0	0	1
5	10	Ikura	4	8	12 - 200 ml jars	31.00	31	0	0	0
6	11	Queso Cabrales	5	4	1 kg pkg.	21.00	22	30	30	0
7	13	Konbu	6	8	2 kg box	6.00	24	0	5	0
8	14	Tofu	6	7	40 - 100 g pkgs.	23.25	35	0	0	0
9	15	Genen Shouyu	6	2	24 - 250 ml bottles	15.50	39	0	5	0
10	16	Pavlova	7	3	32 - 500 g boxes	17.45	29	0	10	0
11	19	Teatime Chocolate Biscuits	8	3	10 boxes x 12 pieces	9.20	25	0	5	0
12	24	Guaraná Fantástica	10	1	12 - 355 ml cans	4.50	20	0	0	1
13	26	Gumbär Gummibärchen	11	3	100 - 250 g bags	31.23	15	0	0	0
14	28	Rössle Sauerkraut	12	7	25 - 825 g cans	45.60	26	0	0	1

7. Select the suppliers whose contact title is marketing manager.

```
SELECT * FROM Suppliers WHERE ContactTitle='Marketing Manager'
```

	SupplierID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax
1	4	Tokyo Traders	Yoshi Nagase	Marketing Manager	9-8 Sekimai Musashino-shi	Tokyo	NULL	100	Japan	(03) 3555-5011	NULL
2	7	Pavlova, Ltd.	Ian Devling	Marketing Manager	74 Rose St. Moonie Ponds	Melbourne	Victoria	3058	Australia	(03) 444-2343	(03) 444-6588
3	10	Refrescos Americanas LTDA	Carlos Diaz	Marketing Manager	Av. das Americanas 12.890	Sao Paulo	NULL	5442	Brazil	(11) 555 4640	NULL
4	15	Norske Meierier	Beate Vileid	Marketing Manager	Hatlevegen 5	Sandvika	NULL	1320	Norway	(02) 953010	NULL
5	25	Ma Maison	Jean-Guy Lauzon	Marketing Manager	2960 Rue St. Laurent	Montréal	Québec	H1J 1C3	Canada	(514) 555-9022	NULL

8. Select the product name, unit price and quantities in stock, of all products that have been sold in the USA.

```
SELECT
    Products.ProductID, Products.ProductName, Products.UnitPrice,
    Products.UnitsInStock
FROM Products
WHERE Products.ProductID in (
    SELECT [Order Details].ProductID
    FROM Orders
    inner join [Order Details] ON Orders.OrderID=[Order Details].OrderID
    WHERE ShipCountry='USA'
    GROUP BY [Order Details].ProductID
)
ORDER BY ProductID
```

	ProductID	ProductName	UnitPrice	UnitsInStock
1	1	Chai	18.00	39
2	2	Chang	19.00	17
3	3	Aniseed Syrup	10.00	13
4	4	Chef Anton's Cajun Seasoning	22.00	53
5	5	Chef Anton's Gumbo Mix	21.35	0
6	6	Grandma's Boysenberry Spread	25.00	120
7	7	Uncle Bob's Organic Dried Pears	30.00	15
8	8	Northwoods Cranberry Sauce	40.00	6
9	9	Mishi Kobe Niku	97.00	29
10	10	Ikura	31.00	31
11	11	Queso Cabrales	21.00	22
12	12	Queso Manchego La Pastora	38.00	86
13	13	Konbu	6.00	24
14	14	Tofu	23.25	35
15	15	C... ..	15.50	30

9. Select customers whose country is the United States (USA).

SELECT * **FROM** Customers **WHERE** Country='USA'

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax
1	GREAL	Great Lakes Food Market	Howard Snyder	Marketing Manager	2732 Baker Blvd.	Eugene	OR	97403	USA	(503) 555-7555	NULL
2	HUNGC	Hungry Coyote Import Store	Yoshi Latimer	Sales Representative	City Center Plaza 516 Main St.	Elgin	OR	97827	USA	(503) 555-6874	(503) 555-2376
3	LAZYK	Lazy K Kountry Store	John Steel	Marketing Manager	12 Orchestra Terrace	Walla Walla	WA	99362	USA	(509) 555-7963	(509) 555-6221
4	LETSS	Let's Stop N Shop	Jaime Yorres	Owner	87 Polk St. Suite 5	San Francisco	CA	94117	USA	(415) 555-5938	NULL
5	LONEP	Lonesome Pine Restaurant	Fran Wilson	Sales Manager	89 Chiaroscuro Rd.	Portland	OR	97219	USA	(503) 555-9573	(503) 555-9646
6	OLDWO	Old World Delicatessen	Rene Phillips	Sales Representative	2743 Bering St.	Anchorage	AK	99508	USA	(907) 555-7584	(907) 555-2880
7	RATTC	Rattlesnake Canyon Grocery	Paula Wilson	Assistant Sales Representative	2817 Milton Dr.	Albuquerque	NM	87110	USA	(505) 555-5939	(505) 555-3620
8	SAVEA	Save-a-lot Markets	Jose Pavarotti	Sales Representative	187 Suffolk Ln.	Boise	ID	83720	USA	(208) 555-8097	NULL
9	SPLIR	Split Rail Beer & Ale	Art Braunschweiger	Sales Manager	P.O. Box 555	Lander	WY	82520	USA	(307) 555-4680	(307) 555-6525
10	THEBI	The Big Cheese	Liz Nixon	Marketing Manager	89 Jefferson Way Suite 2	Portland	OR	97201	USA	(503) 555-3612	NULL
11	THECR	The Cracker Box	Liu Wong	Marketing Assistant	55 Grizzly Peak Rd.	Butte	MT	59801	USA	(406) 555-5834	(406) 555-8083
12	TRAIH	Trail's Head Gourmet Provisioners	Helvetius Nagy	Sales Associate	722 DaVinci Blvd.	Kirkland	WA	98034	USA	(206) 555-8257	(206) 555-2174
13	WHITC	White Clover Markets	Karl Jablonski	Owner	305 - 14th Ave. S. Suite 3B	Seattle	WA	98128	USA	(206) 555-4112	(206) 555-4115

10. Select products that belong to the supplier New Orleans Cajun Delights.

SELECT * **FROM** Products **WHERE** SupplierID=(**SELECT** SupplierID **FROM** Suppliers **WHERE** Suppliers.CompanyName='New Orleans Cajun Delights')

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	4	Chef Anton's Cajun Seasoning	2	2	48 - 6 oz jars	22.00	53	0	0	0
2	5	Chef Anton's Gumbo Mix	2	2	36 boxes	21.35	0	0	0	1
3	65	Louisiana Fiery Hot Pepper Sauce	2	2	32 - 8 oz bottles	21.05	76	0	0	0
4	66	Louisiana Hot Spiced Okra	2	2	24 - 8 oz jars	17.00	4	100	20	0

11. Select all orders of customer Hanari Carnes.

```
SELECT * FROM Orders WHERE CustomerID=(SELECT CustomerID FROM Customers WHERE Customers.CompanyName='Hanari Carnes')
```

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode	ShipCountry
1	10250	HANARI	4	1996-07-08 00:00:00.000	1996-08-05 00:00:00.000	1996-07-12 00:00:00.000	2	65.83	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
2	10253	HANARI	3	1996-07-10 00:00:00.000	1996-07-24 00:00:00.000	1996-07-16 00:00:00.000	2	58.17	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
3	10541	HANARI	2	1997-05-19 00:00:00.000	1997-06-16 00:00:00.000	1997-05-29 00:00:00.000	1	68.65	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
4	10645	HANARI	4	1997-08-26 00:00:00.000	1997-09-23 00:00:00.000	1997-09-02 00:00:00.000	1	12.41	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
5	10690	HANARI	1	1997-10-02 00:00:00.000	1997-10-30 00:00:00.000	1997-10-03 00:00:00.000	1	15.80	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
6	10770	HANARI	8	1997-12-09 00:00:00.000	1998-01-06 00:00:00.000	1997-12-17 00:00:00.000	3	5.32	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
7	10783	HANARI	4	1997-12-18 00:00:00.000	1998-01-15 00:00:00.000	1997-12-19 00:00:00.000	2	124.98	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
8	10886	HANARI	1	1998-02-13 00:00:00.000	1998-03-13 00:00:00.000	1998-03-02 00:00:00.000	1	4.99	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
9	10903	HANARI	3	1998-02-24 00:00:00.000	1998-03-24 00:00:00.000	1998-03-04 00:00:00.000	3	36.71	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
10	10922	HANARI	5	1998-03-03 00:00:00.000	1998-03-31 00:00:00.000	1998-03-05 00:00:00.000	3	62.74	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
11	10925	HANARI	3	1998-03-04 00:00:00.000	1998-04-01 00:00:00.000	1998-03-13 00:00:00.000	1	2.27	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
12	10981	HANARI	1	1998-03-27 00:00:00.000	1998-04-24 00:00:00.000	1998-04-02 00:00:00.000	2	193.37	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
13	11022	HANARI	9	1998-04-14 00:00:00.000	1998-05-12 00:00:00.000	1998-05-04 00:00:00.000	2	6.27	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil
14	11052	HANARI	3	1998-04-27 00:00:00.000	1998-05-25 00:00:00.000	1998-05-01 00:00:00.000	1	67.26	Hanari Carnes	Rua do Paço, 67	Rio de Janeiro	RJ	05454-876	Brazil

12. Select the employee, product category and the product, of all the employees that processed the order in 1997.

```
SELECT
  (SELECT Employees.FirstName+ ' '+Employees.LastName FROM Employees WHERE
  Orders.EmployeeID=Employees.EmployeeID) 'Nombre Empleado',
  ProductName,
  (SELECT CategoryName FROM Categories WHERE
  Categories.CategoryID=Products.CategoryID) 'Categoria'
FROM [Order Details]
INNER JOIN Orders ON [Order Details].OrderID=Orders.OrderID
INNER JOIN Products ON [Order Details].ProductID=Products.ProductID
WHERE [Order Details].OrderID in (SELECT Orders.OrderID FROM Orders WHERE
YEAR(OrderDate)='1997')
```

	Nombre Empleado	ProductName	Categoria
1	Nancy Davolio	Thüringer Rostbratwurst	Meat/Poultry
2	Nancy Davolio	Steeleye Stout	Beverages
3	Nancy Davolio	Maxilaku	Confections
4	Nancy Davolio	Nord-Ost Matjeshering	Seafood
5	Nancy Davolio	Gnocchi di nonna Alice	Grains/Cereals
6	Nancy Davolio	Louisiana Fiery Hot Pepper Sauce	Condiments
7	Nancy Davolio	Flotemysost	Dairy Products
8	Laura Callahan	Tunnbröd	Grains/Cereals
9	Laura Callahan	Veggie-spread	Condiments
10	Margaret Peacock	Pavlova	Confections
11	Margaret Peacock	Chocolade	Confections
12	Andrew Fuller	Gumbär Gummibärchen	Confections
13	Andrew Fuller	Singaporean Hokkien Fried Mee	Grains/Cereals
14	Andrew Fuller	Maxilaku	Confections
15	Nancy Davolio	Aniseed	Confections

13. Select customers whose country is USA, SPAIN, ITALY

```
SELECT * FROM Customers WHERE Country in ('USA','SPAIN','ITALY')
```

	CustomerID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax
1	BOLID	Bólido Comidas preparadas	Martín Sommer	Owner	C/ Araquil, 67	Madrid	NULL	28023	Spain	(91) 555 22 82	(91) 555 91 99
2	FISSA	FISSA Fabrica Inter. Salchichas S.A.	Diego Roel	Accounting Manager	C/ Moralzarzal, 86	Madrid	NULL	28034	Spain	(91) 555 94 44	(91) 555 55 93
3	FRANS	Franchi S.p.A.	Paolo Accorti	Sales Representative	Via Monte Bianco 34	Torino	NULL	10100	Italy	011-4988260	011-4988261
4	GALED	Galería del gastrónomo	Eduardo Saavedra	Marketing Manager	Rambla de Cataluña, 23	Barcelona	NULL	08022	Spain	(93) 203 4560	(93) 203 4561
5	GODOS	Godos Cocina Típica	José Pedro Freyre	Sales Manager	C/ Romero, 33	Sevilla	NULL	41101	Spain	(95) 555 82 82	NULL
6	GREAL	Great Lakes Food Market	Howard Snyder	Marketing Manager	2732 Baker Blvd.	Eugene	OR	97403	USA	(503) 555-7555	NULL
7	HUNGC	Hungry Coyote Import Store	Yoshi Latimer	Sales Representative	City Center Plaza 516 Main St.	Elgin	OR	97827	USA	(503) 555-6874	(503) 555-2376
8	LAZYK	Lazy K Kountry Store	John Steel	Marketing Manager	12 Orchestra Terrace	Walla Walla	WA	99362	USA	(509) 555-7969	(509) 555-6221
9	LETSS	Let's Stop N Shop	Jaime Yorees	Owner	87 Polk St. Suite 5	San Francisco	CA	94117	USA	(415) 555-5938	NULL
10	LONEP	Lonesome Pine Restaurant	Fran Wilson	Sales Manager	89 Chiaroscuro Rd.	Portland	OR	97219	USA	(503) 555-9573	(503) 555-9646
11	MAGAA	Magazzini Alimentari Riuniti	Giovanni Rovelli	Marketing Manager	Via Ludovico il Moro 22	Bergamo	NULL	24100	Italy	035-640230	035-640231
12	OLDWO	Old World Delicatessen	Rene Phillips	Sales Representative	2743 Bering St.	Anchorage	AK	99508	USA	(907) 555-7584	(907) 555-2880
13	RATTC	Rattlesnake Canyon Grocery	Paula Wilson	Assistant Sales Representative	2817 Milton Dr.	Albuquerque	NM	87110	USA	(505) 555-5939	(505) 555-3620
14	REGGC	Reggiani Caseifici	Maurizio Moroni	Sales Associate	Strada Provinciale 124	Reggio Emilia	NULL	42100	Italy	0522-556721	0522-556722

14. Select the cheapest shipping order, the average shipping and the most expensive shipping.

```
SELECT
    MIN(Freight) 'Valor minimo',
    AVG(Freight) 'Promedio',
    MAX(Freight) 'Valor Maximo'
FROM Orders
```

	Valor minimo	Promedio	Valor Maximo
1	0.02	78.2442	1007.64

15. Select the products, whose orders (including your customers) were sent to France.

```
SELECT
    (SELECT ProductName FROM Products where Products.ProductID=[Order
    Details].ProductID) 'Nombre Producto',
    (SELECT Customers.CompanyName FROM Customers WHERE
    Customers.CustomerID=Orders.CustomerID) 'Cliente'
FROM [Order Details]
INNER JOIN Orders ON [Order Details].OrderID=Orders.OrderID
WHERE [Order Details].OrderID IN (SELECT OrderID FROM Orders WHERE
ShipCountry='France')
```

	Nombre Producto	Ciente
1	Chai	Blondesddsl père et fils
2	Ikura	Blondesddsl père et fils
3	Queso Cabrales	Blondesddsl père et fils
4	Alice Mutton	Blondesddsl père et fils
5	Camaronv Tigers	Blondesddsl père et fils
6	Rössle Sauerkraut	Blondesddsl père et fils
7	Thüringer Rostbratwurst	Blondesddsl père et fils
8	Gorgonzola Telino	Blondesddsl père et fils
9	Gorgonzola Telino	Blondesddsl père et fils
10	Côte de Blaye	Blondesddsl père et fils
11	Chartreuse verte	Blondesddsl père et fils
12	Jack's New England Clam Chowder	Blondesddsl père et fils
13	Spegesild	Blondesddsl père et fils
14	Maxilaku	Blondesddsl père et fils

16. Select the orders whose sale date was between January 27, 1997 to March 24, 1997.

SELECT * **FROM** Orders

WHERE Orders.OrderDate between '1997-01-27' and '1997-03-24'

	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode	ShipCountry
1	10426	GALED	4	1997-01-27 00:00:00.000	1997-02-24 00:00:00.000	1997-02-06 00:00:00.000	1	18.69	Galeria del gastronómo	Rambla de Catalunya, 23	Barcelona	NULL	8022	Spain
2	10427	PICCO	4	1997-01-27 00:00:00.000	1997-02-24 00:00:00.000	1997-02-06 00:00:00.000	1	18.69	Galeria del gastronómo	Rambla de Catalunya, 23	Barcelona	NULL	8022	Spain
3	10428	REGGC	7	1997-01-28 00:00:00.000	1997-02-25 00:00:00.000	1997-02-04 00:00:00.000	1	11.09	Piccolo und mehr	Geisweg 14	Salzburg	NULL	5020	Austria
4	10429	HUNGO	3	1997-01-29 00:00:00.000	1997-03-12 00:00:00.000	1997-02-07 00:00:00.000	2	56.63	Reggiani Caseifici	Strada Provinciale 124	Reggio Emilia	NULL	42100	Italy
5	10430	ERNSH	4	1997-01-30 00:00:00.000	1997-02-13 00:00:00.000	1997-02-03 00:00:00.000	1	458.78	Hungry Owl All-Night Grocers	8 Johnston Road	Cork	Co. Cork	NULL	Ireland
6	10431	BOTTM	4	1997-01-30 00:00:00.000	1997-02-13 00:00:00.000	1997-02-03 00:00:00.000	1	458.78	Ernst Handel	Kirchgasse 6	Graz	NULL	8010	Austria
7	10432	SPLIR	3	1997-01-31 00:00:00.000	1997-02-14 00:00:00.000	1997-02-07 00:00:00.000	2	4.34	Spik Riil Beer & Ale	23 Tsawassen Blvd.	Tsawassen	BC	T2F 8M4	Canada
8	10433	PRINI	3	1997-02-03 00:00:00.000	1997-03-03 00:00:00.000	1997-02-07 00:00:00.000	2	4.34	Spik Riil Beer & Ale	P.O. Box 555	Lander	WY	82520	USA
9	10434	FOLKO	3	1997-02-03 00:00:00.000	1997-03-03 00:00:00.000	1997-02-07 00:00:00.000	2	4.34	Spik Riil Beer & Ale	P.O. Box 555	Lander	WY	82520	USA
10	10435	CONSH	8	1997-02-04 00:00:00.000	1997-03-18 00:00:00.000	1997-02-07 00:00:00.000	2	9.21	Folk och Is HB	Åkerгатan 24	Bräcke	NULL	S-844 67	Sweden
11	10436	BLONP	3	1997-02-05 00:00:00.000	1997-03-05 00:00:00.000	1997-02-11 00:00:00.000	2	156.66	Consolidated Holdings	Berkeley Gardens 12 Brewery	London	NULL	W6X1 6LT	UK
12	10437	WARTH	8	1997-02-05 00:00:00.000	1997-03-05 00:00:00.000	1997-02-12 00:00:00.000	1	19.97	Blondel père et fils	24, place Kléber	Strasbourg	NULL	67000	France
13	10438	TOMSP	3	1997-02-06 00:00:00.000	1997-03-06 00:00:00.000	1997-02-14 00:00:00.000	2	8.24	Wartian Herikku	Torikatu 38	Oulu	NULL	90110	Finland
14	10439	MEREP	6	1997-02-07 00:00:00.000	1997-03-07 00:00:00.000	1997-02-10 00:00:00.000	3	4.07	Toms Spezialitäten	Luisenstr. 48	Münster	NULL	44087	Germany
15	10440	GALEA	4	1997-02-10 00:00:00.000	1997-03-10 00:00:00.000	1997-02-10 00:00:00.000	3	4.07	Mère Pailarde	43 rue St. Laurent	Montréal	Québec	H1J 1C3	Canada