



SQL Insert, Update, and Delete

CS/CE 355L/373L: Database Systems

Lab 11

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1. Insert a new product with the following details

- Product Name: 'Coca Cola'
- Category ID: 1
- Unit Price: 90

It will begin transaction, the set identity_insert would allow me to manually set up Product ID, I would be given the table from products, then the transaction would be rolled back. I won't always showcase "begin transaction" and selection to showcase the product and rollback, as it is very redundant

```
begin transaction
```

```
SET IDENTITY_INSERT products ON
```

```
INSERT INTO Products (ProductID, ProductName, CategoryID, UnitPrice)
```

```
VALUES (77, 'Coca Cola', 1, 90)
```

```
select * from products
```

```
rollback
```

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
71	71	Flotemysost	15	4	10 - 500 g pkgs.	21.50	26	0	0	0
72	72	Mozzarella di Giovanni	14	4	24 - 200 g pkgs.	34.80	14	0	0	0
73	73	Röd Kaviar	17	8	24 - 150 g jars	15.00	101	0	5	0
74	74	Longlife Tofu	4	7	5 kg pkg.	10.00	4	20	5	0
75	75	Rhönbräu Klosterbier	12	1	24 - 0.5 l bottles	7.75	125	0	25	0
76	76	Lakkalikööri	23	1	500 ml	18.00	57	0	20	0
77	77	Original Frankfurter grüne Soße	12	2	12 boxes	13.00	32	0	15	0
78	78	Coca Cola	NULL	1	NULL	190.00	0	0	0	0

Figure 1: Q1

2. Insert a new product with the following details

- Product ID: 79
- Product Name: 'Fish'
- Category ID: 8 (Category ID of seafood)
- Unit Price: 50

```
insert into Products (ProductID, ProductName, CategoryID, UnitPrice)
```

```
values (79, 'Fish', 8, 50);
```

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
75	75	Rhönbräu Klosterbier	12	1	24 - 0.5 l bottles	7.75	125	0	25	0
76	76	Lakkalikööri	23	1	500 ml	18.00	57	0	20	0
77	77	Original Frankfurter grüne Soße	12	2	12 boxes	13.00	32	0	15	0
78	79	Fish	NULL	8	NULL	50.00	0	0	0	0

Figure 2: Q2

3. Increase the price of products in the 'Confections' category by 25%

```
-- seeing before transaction
select ProductID, ProductName, UnitPrice ,Categories.CategoryID, Categories.
    CategoryName
from products
join Categories on Categories.CategoryID = Products.CategoryID
where CategoryName = 'Confections'

begin transaction
UPDATE Products
SET UnitPrice = UnitPrice * 1.25
WHERE CategoryID = (
    SELECT CategoryID
    FROM Categories
    WHERE CategoryName = 'Confections'
);

-- seeing after transaction
select ProductID, ProductName, UnitPrice ,Categories.CategoryID, Categories.
    CategoryName
from products
join Categories on Categories.CategoryID = Products.CategoryID
where CategoryName = 'Confections'

rollback
```

99 %

Results Messages

	ProductID	ProductName	UnitPrice	CategoryID	CategoryName
1	16	Pavlova	17.45	3	Confections
2	19	Teatime Chocolate Biscuits	9.20	3	Confections
3	20	Sir Rodney's Marmalade	81.00	3	Confections
4	21	Sir Rodney's Scones	10.00	3	Confections
5	25	NuNuCa Nuß-Nougat-Creme	14.00	3	Confections
6	26	Gumbär Gummibärchen	31.23	3	Confections
7	27	Schoggi Schokolade	43.90	3	Confections
8	47	Zaanse koeken	9.50	3	Confections
9	48	Chocolade	12.75	3	Confections
10	49	Maxilaku	20.00	3	Confections
11	50	Valkoinen suklaa	16.25	3	Confections
12	62	Tarte au sucre	49.30	3	Confections
13	68	Scottish Longbreads	12.50	3	Confections

Figure 3: Q3 - Before

	ProductID	ProductName	UnitPrice	CategoryID	CategoryName
1	16	Pavlova	21.8125	3	Confections
2	19	Teatime Chocolate Biscuits	11.50	3	Confections
3	20	Sir Rodney's Marmalade	101.25	3	Confections
4	21	Sir Rodney's Scones	12.50	3	Confections
5	25	NuNuCa Nuß-Nougat-Creme	17.50	3	Confections
6	26	Gumbär Gummibärchen	39.0375	3	Confections
7	27	Schoggi Schokolade	54.875	3	Confections
8	47	Zaanse koeken	11.875	3	Confections
9	48	Chocolade	15.9375	3	Confections
10	49	Maxilaku	25.00	3	Confections
11	50	Valkoinen suklaa	20.3125	3	Confections
12	62	Tarte au sucre	61.625	3	Confections
13	68	Scottish Longbreads	15.625	3	Confections

Figure 4: Q3 - After

4. Insert a new category titled 'Drinks'

```

SET IDENTITY_INSERT Products OFF;
set identity_insert Categories on
begin transaction
select * from Categories
INSERT INTO Categories (CategoryID, CategoryName)
VALUES (9 , 'Drinks');

```

CategoryID	CategoryName	Description	Picture
1	Beverages	Soft drinks, coffees, teas, beers, and ales	0x151C2F00020000000000E0014002100FFFFFFF4269746...
2	Condiments	Sweet and savory sauces, relishes, spreads, and...	0x151C2F00020000000000E0014002100FFFFFFF4269746...
3	Confections	Desserts, candies, and sweet breads	0x151C2F00020000000000E0014002100FFFFFFF4269746...
4	Dairy Products	Cheeses	0x151C2F00020000000000E0014002100FFFFFFF4269746...
5	Grains/Cereals	Breads, crackers, pasta, and cereal	0x151C2F00020000000000E0014002100FFFFFFF4269746...
6	Meat/Poultry	Prepared meats	0x151C2F00020000000000E0014002100FFFFFFF4269746...
7	Produce	Dried fruit and bean curd	0x151C2F00020000000000E0014002100FFFFFFF4269746...
8	Seafood	Seaweed and fish	0x151C2F00020000000000E0014002100FFFFFFF4269746...
9	Drinks	NULL	NULL

Figure 5: Q4

```
select * from Categories
rollback
```

5. Insert products in the 'Beverages' category into the 'Drinks' category, allowing them to belong to both categories

So there is a lot to unpack here, basically, I begin my transaction (to make sure that I am able to roll back later), allow manual insertion of CategoryID, and make a query to find how my Category looked BEFORE the insertion. I then insert the new Category called Drink which have the CategoryID of 9, and then print the table to check it.

After that, I turn off the manual insertion of CategoryID, and then turn on the manual insertion of ProductID cause I can't turn it on together simultaneously. I obviously check what my products table looked before the append which I am asked for. Then when I copy and append all the beverages, the way I find the ProductID is by using MaxProductID that allows me to find, as you guessed it, the MaxProductID which gets appended over with new insertion of a row. I then confirm whether I was able to append as intended and check the result.

I then rollback the results

```
-- Begin transaction
BEGIN TRANSACTION

-- Enable identity insert for Categories table
SET IDENTITY_INSERT Categories ON;

-- Select all from Categories table
SELECT * FROM Categories;

-- Insert new category 'Drinks'
INSERT INTO Categories (CategoryID, CategoryName)
VALUES (9, 'Drinks');

-- Select all from Categories table to verify insertion
SELECT * FROM Categories;

-- Disable identity insert for Categories table
```

```
SET IDENTITY_INSERT Categories OFF;

-- Enable identity insert for Products table
SET IDENTITY_INSERT Products ON;

-- Declare variable to hold maximum ProductID
DECLARE @MaxProductID INT;

-- Get the maximum ProductID from Products table
SELECT @MaxProductID = MAX(ProductID) FROM Products;

-- Select all from Products table
SELECT * FROM Products;

-- Insert new products into Products table with new ProductID and CategoryID 'Drinks'
INSERT INTO Products (ProductID, ProductName, SupplierID, CategoryID, QuantityPerUnit
    , UnitPrice)
SELECT @MaxProductID + ROW_NUMBER() OVER (ORDER BY ProductID), ProductName,
    SupplierID, 9, QuantityPerUnit, UnitPrice
FROM Products
WHERE CategoryID = (
    SELECT CategoryID
    FROM Categories
    WHERE CategoryName = 'Beverages'
);

-- Select all from Products table to verify insertion
SELECT * FROM Products;

-- Rollback transaction
ROLLBACK;
```

Results Messages										
	CategoryID	CategoryName	Description	Picture						
1	1	Beverages	Soft drinks, coffees, teas, beers, and ales	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
2	2	Condiments	Sweet and savory sauces, relishes, spreads, and ...	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
3	3	Confections	Desserts, candies, and sweet breads	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
4	4	Dairy Products	Cheeses	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
5	5	Grains/Cereals	Breads, crackers, pasta, and cereal	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
6	6	Meat/Poultry	Prepared meats	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
7	7	Produce	Dried fruit and bean curd	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
8	8	Seafood	Seaweed and fish	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
	CategoryID	CategoryName	Description	Picture						
2	2	Condiments	Sweet and savory sauces, relishes, spreads, and ...	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
3	3	Confections	Desserts, candies, and sweet breads	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
4	4	Dairy Products	Cheeses	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
5	5	Grains/Cereals	Breads, crackers, pasta, and cereal	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
6	6	Meat/Poultry	Prepared meats	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
7	7	Produce	Dried fruit and bean curd	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
8	8	Seafood	Seaweed and fish	0x151C2F0002000000D000E0014002100FFFFFFFF4269746...						
9	9	Drinks	NULL	NULL						
	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
70	70	Outback La...	7	1	24 - 355 ml bottles	15.00	15	10	30	0
71	71	Flotemysost	15	4	10 - 500 g pkgs.	21.50	26	0	0	0
72	72	Mozzarella ...	14	4	24 - 200 g pkgs.	34.80	14	0	0	0
73	73	Röd Kaviar	17	8	24 - 150 g jars	15.00	101	0	5	0
74	74	Longlife Tofu	4	7	5 kg pkg.	10.00	4	20	5	0
75	75	Rhönbräu K...	12	1	24 - 0.5 l bottles	7.75	125	0	25	0
76	76	Lakkalikööri	23	1	500 ml	18.00	57	0	20	0
77	77	Original Fra...	12	2	12 boxes	13.00	32	0	15	0
	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
82	82	Steeleye Sto...	16	9	24 - 12 oz bottles	18.00	0	0	0	0
83	83	Côte de Blaye	18	9	12 - 75 cl bottles	263.50	0	0	0	0
84	84	Chartreuse v...	18	9	750 cc per bottle	18.00	0	0	0	0
85	85	Ipoh Coffee	20	9	16 - 500 g tins	46.00	0	0	0	0
86	86	Laughing L...	16	9	24 - 12 oz bottles	14.00	0	0	0	0
87	87	Outback La...	7	9	24 - 355 ml bottles	15.00	0	0	0	0
88	88	Rhönbräu K...	12	9	24 - 0.5 l bottles	7.75	0	0	0	0
89	89	Lakkalikööri	23	9	500 ml	18.00	0	0	0	0

Figure 6: Q5

6. Change the category of all products labeled as 'Beverages' to 'Drinks'

I begin a database transaction to ensure data integrity and consistency. First, I enable `IDENTITY_INSERT` on the `Categories` table to manually insert a new category with `CategoryID` 9, named 'Drinks'. After inserting the new category, I disable `IDENTITY_INSERT`. Next, I update the `Products` table to change the category of all products labeled as 'Beverages' to the new 'Drinks' category by modifying their `CategoryID` to 9. I then run a selection query to retrieve and verify all products with `CategoryID` 9. Finally, I roll back the transaction to revert the database to its previous state, ensuring no permanent changes are made

```
begin transaction
```

```
set identity_insert Categories on
INSERT INTO Categories (CategoryID, CategoryName)
VALUES (9 , 'Drinks');
```

```

set identity_insert Categories off

-- Update Products to change 'Beverages' to 'Drinks'
UPDATE Products
SET CategoryID = (
    SELECT CategoryID
    FROM Categories
    WHERE CategoryName = 'Drinks'
)
WHERE CategoryID = (
    SELECT CategoryID
    FROM Categories
    WHERE CategoryName = 'Beverages'
);

-- You can do Select * from products as well
Select * from Products where CategoryID = '9'

rollback

```

Results		Messages								
	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	1	Chai	1	9	10 boxes x 20 bags	18.00	39	0	10	0
2	2	Chang	1	9	24 - 12 oz bottles	19.00	17	40	25	0
3	24	Guaraná Fantástica	10	9	12 - 355 ml cans	4.50	20	0	0	1
4	34	Sasquatch Ale	16	9	24 - 12 oz bottles	14.00	111	0	15	0
5	35	Steeleye Stout	16	9	24 - 12 oz bottles	18.00	20	0	15	0
6	38	Côte de Blaye	18	9	12 - 75 cl bottles	263.50	17	0	15	0
7	39	Chartreuse verte	18	9	750 cc per bottle	18.00	69	0	5	0
8	43	Ipoh Coffee	20	9	16 - 500 g tins	46.00	17	10	25	0
9	67	Laughing Lumberjack Lager	16	9	24 - 12 oz bottles	14.00	52	0	10	0
10	70	Outback Lager	7	9	24 - 355 ml bottles	15.00	15	10	30	0
11	75	Rhönbräu Klosterbier	12	9	24 - 0.5 l bottles	7.75	125	0	25	0
12	76	Lakkalikööri	23	9	500 ml	18.00	57	0	20	0

Figure 7: Q6

7. Update records so that the employee 'Robert King' is assigned the same territories as 'Andrew Fuller'

(a) Delete existing territory assignments of 'Robert King' (b) Insert new assignments

The transaction begins to ensure data integrity. In part (a), the first SQL statement selects all territory assignments for the employee 'Robert King'. Next, the code deletes all current territory assignments for 'Robert King' by matching his EmployeeID. In part (b), the code inserts new territory assignments for 'Robert King'. It first finds the EmployeeID of 'Robert King', then selects the TerritoryIDs from the territories assigned to 'Andrew Fuller'. Finally, it inserts these territory assignments into 'EmployeeTer-

ritories' for 'Robert King'. After updating, it selects and displays the updated territory assignments for 'Robert King'. The transaction ends with a rollback to revert the database to its previous state, ensuring no permanent changes are made.

```
begin transaction
-- a)

--Finding all the Employee territories of Robert King
SELECT * FROM EmployeeTerritories
where EmployeeID = (
    select EmployeeID
    from Employees
    where FirstName = 'Robert' AND LastName = 'King'
)

delete from EmployeeTerritories
where EmployeeID = (
    select EmployeeID
    from Employees
    where FirstName = 'Robert' AND LastName = 'King'
)

--b)
insert into EmployeeTerritories (EmployeeID, TerritoryID)
--first finding the employeeID of Robert King, and
select(
    select EmployeeID
    from Employees
    where FirstName = 'Robert' AND LastName = 'King') as EmployeeID,
    TerritoryID
from EmployeeTerritories
where EmployeeID = (
    select EmployeeID
    from Employees
    where FirstName = 'Andrew' AND LastName = 'Fuller'
)

--Finding all the Employee territories of Robert King AFTER THE UPDATE
SELECT * FROM EmployeeTerritories
where EmployeeID = (
    select EmployeeID
    from Employees
    where FirstName = 'Robert' AND LastName = 'King'
)

rollback
```

Results		Messages	
	EmployeeID	TerritoryID	
1	7	60179	
2	7	60601	
3	7	80202	
4	7	80909	
5	7	90405	
6	7	94025	
7	7	94105	
8	7	95008	
9	7	95054	
10	7	95060	

	EmployeeID	TerritoryID	
1	7	01581	
2	7	01730	
3	7	01833	
4	7	02116	
5	7	02139	
6	7	02184	
7	7	40222	

Figure 8: Q7

8. Delete products in the 'Seafood' category with an amount less than 5 in Products

```
begin transaction
```

```
-- Before the Update
```

```
select * from Products where CategoryID = (  
    select CategoryID  
    from Categories  
    where CategoryName = 'Seafood'  
)
```

```
-- Doing the deletion
```

```
delete from Products  
where CategoryID = (  
    select CategoryID  
    from Categories  
    where CategoryName = 'Seafood'  
) and UnitsInStock < 5;
```

```
-- After the Update
```

```
select * from Products where CategoryID = (  
    select CategoryID  
    from Categories  
    where CategoryName = 'Seafood'  
)
```

rollback

81 %

Results Messages

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	10	Ikura	4	8	12 - 200 ml jars	31.00	31	0	0	0
2	13	Konbu	6	8	2 kg box	6.00	24	0	5	0
3	18	Camaron Tigers	7	8	16 kg pkg.	62.50	42	0	0	0
4	30	Nord-Ost Matjeshering	13	8	10 - 200 g glasses	25.89	10	0	15	0
5	36	Inlagd Sill	17	8	24 - 250 g jars	19.00	112	0	20	0
6	37	Gravad lax	17	8	12 - 500 g pkgs.	26.00	11	50	25	0
7	40	Boston Crab Meat	19	8	24 - 4 oz tins	18.40	123	0	30	0
8	41	Jack's New England Clam Chowder	19	8	12 - 12 oz cans	9.65	85	0	10	0
9	45	Rogede sild	21	8	1k pkg.	9.50	5	70	15	0
10	46	Spegesild	21	8	4 - 450 g glasses	12.00	95	0	0	0
11	58	Escargots de Bourgogne	27	8	24 pieces	13.25	62	0	20	0
12	73	Röd Kaviar	17	8	24 - 150 g jars	15.00	101	0	5	0

	ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued
1	10	Ikura	4	8	12 - 200 ml jars	31.00	31	0	0	0
2	13	Konbu	6	8	2 kg box	6.00	24	0	5	0
3	18	Camaron Tigers	7	8	16 kg pkg.	62.50	42	0	0	0
4	30	Nord-Ost Matjeshering	13	8	10 - 200 g glasses	25.89	10	0	15	0
5	36	Inlagd Sill	17	8	24 - 250 g jars	19.00	112	0	20	0
6	37	Gravad lax	17	8	12 - 500 g pkgs.	26.00	11	50	25	0
7	40	Boston Crab Meat	19	8	24 - 4 oz tins	18.40	123	0	30	0
8	41	Jack's New England ...	19	8	12 - 12 oz cans	9.65	85	0	10	0
9	45	Rogede sild	21	8	1k pkg.	9.50	5	70	15	0
10	46	Spegesild	21	8	4 - 450 g glasses	12.00	95	0	0	0
11	58	Escargots de Bourgo...	27	8	24 pieces	13.25	62	0	20	0
12	73	Röd Kaviar	17	8	24 - 150 g jars	15.00	101	0	5	0

Figure 9: Q8

As the question wanted me to delete any products "in seafood category" that was less than 5, and considering that there is no item in "unitsinstock" belonged to "seafood" category which is less than 5, it makes sense that the table would remain unchanged.

9. Delete all orders of CustomerID 'CHOPS'

```
begin transaction
```

```
-- checking before
```

```
SELECT OrderID FROM Orders WHERE CustomerID = 'CHOPS'
```

```
DELETE FROM [Order Details]
```

```
WHERE OrderID IN (SELECT OrderID FROM Orders WHERE CustomerID = 'CHOPS')
```

```
-- Step 2: Delete orders in Orders table
```

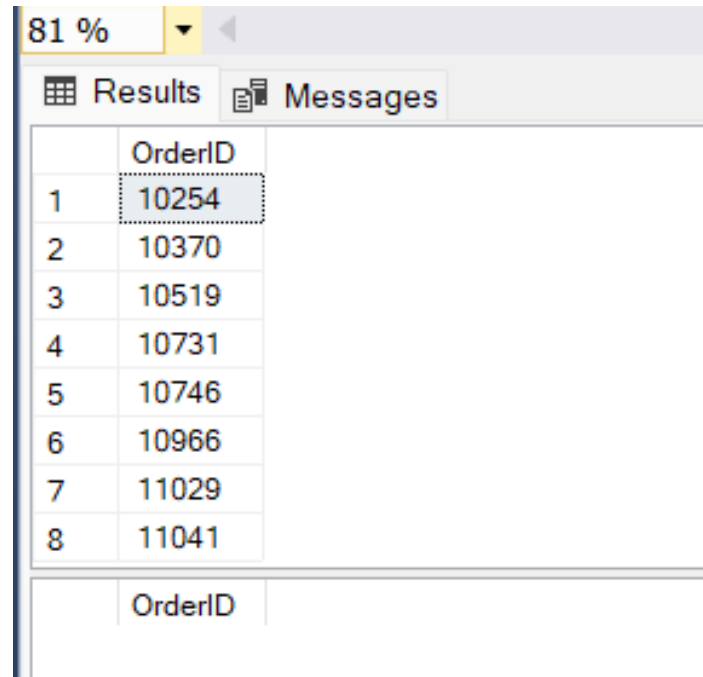
```
DELETE FROM Orders
```

```
WHERE CustomerID = 'CHOPS'
```

```
--checking after deletion
```

```
SELECT OrderID FROM Orders WHERE CustomerID = 'CHOPS'
```

rollback



The screenshot shows a SQL query results window with a zoom level of 81%. It has two tabs: 'Results' and 'Messages'. The 'Results' tab is active, displaying a table with two columns: an index and 'OrderID'. The first row is highlighted with a dashed border.

	OrderID
1	10254
2	10370
3	10519
4	10731
5	10746
6	10966
7	11029
8	11041

Figure 10: Q9

10. Delete all orders that have been shipped in April 1998

begin transaction

--before

```
select * from orders where ShippedDate BETWEEN '1998-04-01' AND '1998-04-30';
```

```
DELETE FROM [Order Details]
```

```
WHERE OrderID IN (
```

```
    SELECT OrderID
```

```
    FROM Orders
```

```
    WHERE ShippedDate BETWEEN '1998-04-01' AND '1998-04-30'
```

```
);
```

-- Step 2: Delete from Orders

```
DELETE FROM Orders
```

```
WHERE ShippedDate BETWEEN '1998-04-01' AND '1998-04-30';
```

-- after

```
select * from orders where ShippedDate BETWEEN '1998-04-01' AND '1998-04-30';
```

rollback

Results Messages													
	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode
63	11032	WHITC	2	1998-04-17 00:00:00.000	1998-05-15 00:00:00.000	1998-04-23 00:00:00.000	3	806.19	White Clover Markets	1029 - 12th Ave. S.	Seattle	WA	98124
64	11033	RICSU	7	1998-04-17 00:00:00.000	1998-05-15 00:00:00.000	1998-04-23 00:00:00.000	3	84.74	Richter Supermarket	Starenweg 5	Genève	NULL	1204
65	11034	OLDWO	8	1998-04-20 00:00:00.000	1998-06-01 00:00:00.000	1998-04-27 00:00:00.000	1	40.32	Old World Delicatessen	2743 Bering St.	Anchorage	AK	99508
66	11035	SUPRD	2	1998-04-20 00:00:00.000	1998-05-18 00:00:00.000	1998-04-24 00:00:00.000	2	0.17	Suprêmes délices	Boulevard Tirou, 255	Charleroi	NULL	B-6000
67	11036	DRACD	8	1998-04-20 00:00:00.000	1998-05-18 00:00:00.000	1998-04-22 00:00:00.000	3	149.47	Drachenblut Delikatessen	Walsenweg 21	Aachen	NULL	52066
68	11037	GODOS	7	1998-04-21 00:00:00.000	1998-05-19 00:00:00.000	1998-04-27 00:00:00.000	1	3.20	Godos Cocina Tipica	C/ Romero, 33	Sevilla	NULL	41101
69	11038	SUPRD	1	1998-04-21 00:00:00.000	1998-05-19 00:00:00.000	1998-04-30 00:00:00.000	2	29.59	Suprêmes délices	Boulevard Tirou, 255	Charleroi	NULL	B-6000
70	11041	CHOPS	3	1998-04-22 00:00:00.000	1998-05-20 00:00:00.000	1998-04-28 00:00:00.000	2	48.22	Chop-suey Chinese	Hauptstr. 31	Bern	NULL	3012
71	11043	SPECD	5	1998-04-22 00:00:00.000	1998-05-20 00:00:00.000	1998-04-29 00:00:00.000	2	8.80	Spécialités du monde	25, rue Lauriston	Paris	NULL	75016
72	11046	WANDK	8	1998-04-23 00:00:00.000	1998-05-21 00:00:00.000	1998-04-24 00:00:00.000	2	71.64	Die Wandernde Kuh	Adenauerallee 900	Stuttgart	NULL	70563
	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode
	OrderID	CustomerID	EmployeeID	OrderDate	RequiredDate	ShippedDate	ShipVia	Freight	ShipName	ShipAddress	ShipCity	ShipRegion	ShipPostalCode

Figure 11: Q10