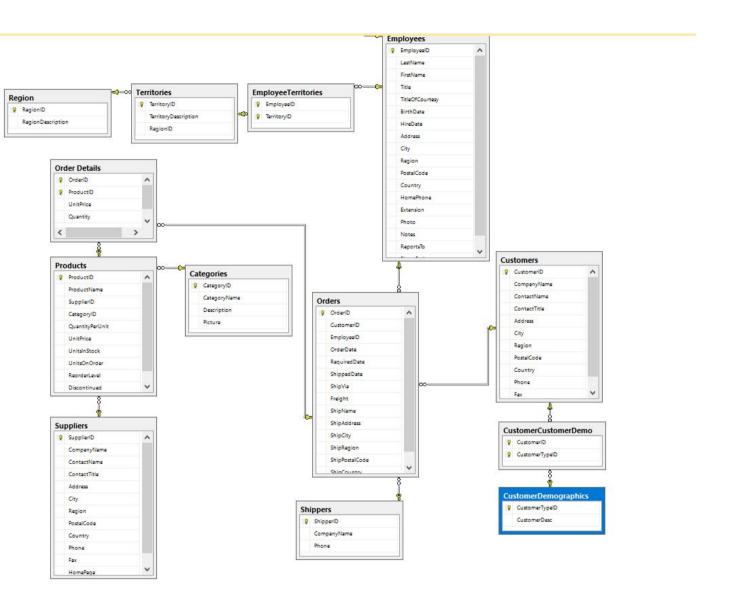
Sample Database

Source: https://northwinddatabase.codeplex.com/

Name:Tudorica Andrei

Northwind DB

This database contains information about products, orders, as well as information about the employees and the suppliers who deal with these products..



Primary keys:

- -ProductID in Products table
- -CategoryID in Categories table
- -OrderID in Orders table
- -RegionID in Regions table
- -EmployeeID in Employees table
- -CustomerID in Customers table
- -ShipperID in Shippers table
- -SupplierID in Suppliers table

Foreign keys:

- -CustomerID in Customers table
- -SupplierID in Products table
- -RegionID in Territories table
- -CategoryID in Products table

Relationships

One-to-many:

- -One Supplier can be associated with more Products
- -One Region can be associated with more Territories
- -One Customer can be associated with more Orders
- -One Employee can be associated with more Orders

Many-to-Many

-CustomerDemographics - Customers

One-to_One

-no relationship of this kind

Data examples:

Table Products

ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinue
0	Chai	1	1	10 boxes x 20 b	18.0000	39	0	10	False
2	Chang	1	1	24 - 12 oz bottles	19.0000	17	40	25	False
3	Aniseed Syrup	1	2	12 - 550 ml bott	10.0000	13	70	25	False
4	Chef Anton's C	2	2	48 - 6 oz jars	22.0000	53	0	0	False
5	Chef Anton's G	2	2	36 boxes	21.3500	0	0	0	True
6	Grandma's Boy	3	2	12 - 8 oz jars	25.0000	120	0	25	False
7	Uncle Bob's Or	3	7	12 - 1 lb pkgs.	30.0000	15	0	10	False
8	Northwoods Cr	3	2	12 - 12 oz jars	40.0000	6	0	0	False
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	97.0000	29	0	0	True
10	Ikura	4	8	12 - 200 ml jars	31.0000	31	0	0	False
11	Queso Cabrales	5	4	1 kg pkg.	21.0000	22	30	30	False
12	Queso Manche	5	4	10 - 500 g pkgs.	38.0000	86	0	0	False
13	Konbu	6	8	2 kg box	6.0000	24	0	5	False
14	Tofu	6	7	40 - 100 g pkgs.	23.2500	35	0	0	False
15	Genen Shouyu	6	2	24 - 250 ml bott	15.5000	39	0	5	False
16	Pavlova	7	3	32 - 500 g boxes	17.4500	29	0	10	False
17	Alice Mutton	7	6	20 - 1 kg tins	39.0000	0	0	0	True
18	Carnarvon Tigers	7	8	16 kg pkg.	62.5000	42	0	0	False
19	Teatime Chocol	8	3	10 boxes x 12 pi	9.2000	25	0	5	False
20	Sir Rodney's M	8	3	30 gift boxes	81.0000	40	0	0	False
21	Sir Rodney's Sc	8	3	24 pkgs. x 4 pie	10.0000	3	40	5	False
22	Gustaf's Knäcke	9	5	24 - 500 g pkgs.	21.0000	104	0	25	False
23	Tunnbröd	9	5	12 - 250 g pkgs.	9.0000	61	0	25	False
24	Guaraná Fantás	10	1	12 - 355 ml cans	4.5000	20	0	0	True
25	NuNuCa Nuß	11	3	20 - 450 g glasses	14.0000	76	0	30	False
26	Gumbär Gumm	11	3	100 - 250 g bags	31.2300	15	0	0	False
27	Schoggi Schok	11	3	100 - 100 g piec	43.9000	49	0	30	False
28	Rössle Sauerkraut	12	7	25 - 825 g cans	45.6000	26	0	0	True
29	Thüringer Rost	12	6	50 bags x 30 sa	123.7900	0	0	0	True
30	Nord-Ost Matje	13	8	10 - 200 g glasses	25.8900	10	0	15	False
31	Gorgonzola Teli	14	4	12 - 100 g pkgs	12.5000	0	70	20	False
32	Mascarpone Fa	14	4	24 - 200 g pkgs.	32.0000	9	40	25	False
33	Geitost	15	4	500 g	2.5000	112	0	20	False
34	Sasquatch Ale	16	1	24 - 12 oz bottles	14.0000	111	0	15	False
35	Steeleye Stout	16	1	24 - 12 oz bottles	18.0000	20	0	15	False

Contains information about the product which had been sold. The fields it contains are Product ID, name, supplier ID, category ID and others.

Table Suppliers

SupplierID	CompanyName	ContactName	ContactTitle	Address	City	Region	PostalCode	Country	Phone	Fax	HomePage
1	Exotic Liquids	Charlotte Cooper	Purchasing Ma	49 Gilbert St.	London	NULL	EC1 4SD	UK	(171) 555-2222	NULL	NULL
2	New Orleans C	Shelley Burke	Order Administ	P.O. Box 78934	New Orleans	LA	70117	USA	(100) 555-4822	NULL	#CAJUN.HTM#
3	Grandma Kelly'	Regina Murphy	Sales Represent	707 Oxford Rd.	Ann Arbor	MI	48104	USA	(313) 555-5735	(313) 555-3349	NULL
4	Tokyo Traders	Yoshi Nagase	Marketing Man	9-8 Sekimai Mu	Tokyo	NULL	100	Japan	(03) 3555-5011	NULL	NULL
5	Cooperativa de	Antonio del Vall	Export Adminis	Calle del Rosal 4	Oviedo	Asturias	33007	Spain	(98) 598 76 54	NULL	NULL
6	Mayumi's	Mayumi Ohno	Marketing Repr	92 Setsuko Chu	Osaka	NULL	545	Japan	(06) 431-7877	NULL	Mayumi's (on t
7	Pavlova, Ltd.	lan Devling	Marketing Man	74 Rose St. Mo	Melbourne	Victoria	3058	Australia	(03) 444-2343	(03) 444-6588	NULL
8	Specialty Biscui	Peter Wilson	Sales Represent	29 King's Way	Manchester	NULL	M14 GSD	UK	(161) 555-4448	NULL	NULL
9	PB Knäckebröd	Lars Peterson	Sales Agent	Kaloadagatan 13	Göteborg	NULL	S-345 67	Sweden	031-987 65 43	031-987 65 91	NULL
10	Refrescos Amer	Carlos Diaz	Marketing Man	Av. das Americ	Sao Paulo	NULL	5442	Brazil	(11) 555 4640	NULL	NULL
11	Heli Süßwaren	Petra Winkler	Sales Manager	Tiergartenstraß	Berlin	NULL	10785	Germany	(010) 9984510	NULL	NULL
12	Plutzer Lebens	Martin Bein	International M	Bogenallee 51	Frankfurt	NULL	60439	Germany	(069) 992755	NULL	Plutzer (on the
13	Nord-Ost-Fisch	Sven Petersen	Coordinator Fo	Frahmredder 11	Cuxhaven	NULL	27478	Germany	(04721) 8713	(04721) 8714	NULL
14	Formaggi Forti	Elio Rossi	Sales Represent	Viale Dante, 75	Ravenna	NULL	48100	Italy	(0544) 60323	(0544) 60603	#FORMAGGI.H
15	Norske Meierier	Beate Vileid	Marketing Man	Hatlevegen 5	Sandvika	NULL	1320	Norway	(0)2-953010	NULL	NULL
16	Bigfoot Breweries	Cheryl Saylor	Regional Accou	3400 - 8th Aven	Bend	OR	97101	USA	(503) 555-9931	NULL	NULL
17	Svensk Sjöföda	Michael Björn	Sales Represent	Brovallavägen 2	Stockholm	NULL	S-123 45	Sweden	08-123 45 67	NULL	NULL
18	Aux joyeux eccl	Guylène Nodier	Sales Manager	203, Rue des Fr	Paris	NULL	75004	France	(1) 03.83.00.68	(1) 03.83.00.62	NULL
19	New England S	Robb Merchant	Wholesale Acc	Order Processin	Boston	MA	02134	USA	(617) 555-3267	(617) 555-3389	NULL
20	Leka Trading	Chandra Leka	Owner	471 Serangoon	Singapore	NULL	0512	Singapore	555-8787	NULL	NULL
21	Lyngbysild	Niels Petersen	Sales Manager	Lyngbysild Fisk	Lyngby	NULL	2800	Denmark	43844108	43844115	NULL
22	Zaanse Snoepfa	Dirk Luchte	Accounting Ma	Verkoop Rijnwe	Zaandam	NULL	9999 ZZ	Netherlands	(12345) 1212	(12345) 1210	NULL
23	Karkki Oy	Anne Heikkonen	Product Manager	Valtakatu 12	Lappeenranta	NULL	53120	Finland	(953) 10956	NULL	NULL
24	G'day, Mate	Wendy Macken	Sales Represent	170 Prince Edw	Sydney	NSW	2042	Australia	(02) 555-5914	(02) 555-4873	G'day Mate (on
25	Ma Maison	Jean-Guy Lauzon	Marketing Man	2960 Rue St. La	Montréal	Québec	H1J 1C3	Canada	(514) 555-9022	NULL	NULL
26	Pasta Buttini s.r.l.	Giovanni Giudici	Order Administ	Via dei Gelsomi	Salerno	NULL	84100	Italy	(089) 6547665	(089) 6547667	NULL
27	Escargots Nouv	Marie Delamare	Sales Manager	22, rue H. Voiron	Montceau	NULL	71300	France	85.57.00.07	NULL	NULL
28	Gai pâturage	Eliane Noz	Sales Represent	Bat. B 3, rue des	Annecy	NULL	74000	France	38.76.98.06	38.76.98.58	NULL
29	Forêts d'érables	Chantal Goulet	Accounting Ma	148 rue Chasseur	Ste-Hyacinthe	Québec	J2S 7S8	Canada	(514) 555-2955	(514) 555-2921	NULL

Contains information about the supplier's, like company name or contact details.

External Views

Alias Outp... Sort Type Sort Order Filter

SELECT FROM

dbo.Orders.OrderlD, dbo.Customers.CustomerlD, dbo.Customers.CompanyName, dbo.Products.ProductName, dbo.Shippers.ShipperlD dbo.Customers INNER JOIN

dbo.Orders ON dbo.Customers.CustomerID = dbo.Orders.CustomerID INNER JOIN dbo.Shippers ON dbo.Orders.ShipVia = dbo.Shippers.ShipperID CROSS JOIN dbo.Products

	OrderID	CustomerID	CompanyName	ProductName	ShipperID
١	10248	VINET	Vins et alcools	Chai	3
	10248	VINET	Vins et alcools	Chang	3
	10248	VINET	Vins et alcools	Aniseed Syrup	3
	10248	VINET	Vins et alcools	Chef Anton's C	3
	10248	VINET	Vins et alcools	Chef Anton's G	3
	10248	VINET	Vins et alcools	Grandma's Boy	3
	10248	VINET	Vins et alcools	Uncle Bob's Or	3
	10248	VINET	Vins et alcools	Northwoods Cr	3
	10248	VINET	Vins et alcools	Mishi Kobe Niku	3
	10248	VINET	Vins et alcools	Ikura	3
	10248	VINET	Vins et alcools	Queso Cabrales	3
	10248	VINET	Vins et alcools	Queso Manche	3
	10248	VINET	Vins et alcools	Konbu	3
	10248	VINET	Vins et alcools	Tofu	3
	10248	VINET	Vins et alcools	Genen Shouyu	3
	10248	VINET	Vins et alcools	Pavlova	3
	10248	VINET	Vins et alcools	Alice Mutton	3
	10248	VINET	Vins et alcools	Carnarvon Tigers	3

dbo.Products.ProductID, dbo.Products.ProductName, dbo.Products.SupplierID, dbo.Products.CategoryID, dbo.Products.QuantityPerUnit, dbo.Products dbo.Products.UnitsOnOrder, dbo.Products.ReorderLevel, dbo.Products.Discontinued, dbo.Categories.CategoryName, dbo.Suppliers.CompanyName dbo.Categories INNER JOIN dbo.Products ON dbo.Categories.CategoryID = dbo.Products.CategoryID INNER JOIN dbo.Suppliers ON dbo.Products.SupplierID = dbo.Suppliers.SupplierID

ProductID	ProductName	SupplierID	CategoryID	QuantityPerUnit	UnitPrice	UnitsInStock	UnitsOnOrder	ReorderLevel	Discontinued	CategoryName	CompanyName
1	Chai	1	1	10 boxes x 20 b	18.0000	39	0	10	False	Beverages	Exotic Liquids
2	Chang	1	1	24 - 12 oz bottles	19.0000	17	40	25	False	Beverages	Exotic Liquids
3	Aniseed Syrup	1	2	12 - 550 ml bott	10.0000	13	70	25	False	Condiments	Exotic Liquids
4	Chef Anton's C	2	2	48 - 6 oz jars	22.0000	53	0	0	False	Condiments	New Orleans C
5	Chef Anton's G	2	2	36 boxes	21.3500	0	0	0	True	Condiments	New Orleans C
6	Grandma's Boy	3	2	12 - 8 oz jars	25.0000	120	0	25	False	Condiments	Grandma Kelly'
7	Uncle Bob's Or	3	7	12 - 1 lb pkgs.	30.0000	15	0	10	False	Produce	Grandma Kelly'
8	Northwoods Cr	3	2	12 - 12 oz jars	40.0000	6	0	0	False	Condiments	Grandma Kelly'
9	Mishi Kobe Niku	4	6	18 - 500 g pkgs.	97.0000	29	0	0	True	Meat/Poultry	Tokyo Traders
10	Ikura	4	8	12 - 200 ml jars	31.0000	31	0	0	False	Seafood	Tokyo Traders
11	Queso Cabrales	5	4	1 kg pkg.	21.0000	22	30	30	False	Dairy Products	Cooperativa de
12	Queso Manche	5	4	10 - 500 g pkgs.	38.0000	86	0	0	False	Dairy Products	Cooperativa de
13	Konbu	6	8	2 kg box	6.0000	24	0	5	False	Seafood	Mayumi's
14	Tofu	6	7	40 - 100 g pkgs.	23.2500	35	0	0	False	Produce	Mayumi's
15	Genen Shouyu	6	2	24 - 250 ml bott	15.5000	39	0	5	False	Condiments	Mayumi's
16	Pavlova	7	3	32 - 500 g boxes	17.4500	29	0	10	False	Confections	Pavlova, Ltd.
17	Alice Mutton	7	6	20 - 1 kg tins	39.0000	0	0	0	True	Meat/Poultry	Pavlova, Ltd.

SELECT

FROM

dbo.Shippers.CompanyName, dbo.Products.ProductName, dbo.[Order Details].UnitPrice, dbo.[Order Details].Discount dbo.[Order Details] INNER JOIN

dbo.Orders ON dbo.[Order Details].OrderID = dbo.Orders.OrderID INNER JOIN dbo.Products ON dbo.[Order Details].ProductID = dbo.Products.ProductID INNER JOIN

dbo.Shippers ON dbo.Orders.ShipVia = dbo.Shippers.ShipperID

	CompanyName	ProductName	UnitPrice	Discount
Þ	Federal Shipping	Queso Cabrales	14.0000	0
	Federal Shipping	Singaporean H	9.8000	0
	Federal Shipping	Mozzarella di Gi	34.8000	0
	Speedy Express	Tofu	18.6000	0
	Speedy Express	Manjimup Drie	42.4000	0
	United Package	Jack's New Engl	7.7000	0
	United Package	Manjimup Drie	42,4000	0.15
	United Package	Louisiana Fiery	16.8000	0.15
	Speedy Express	Gustaf's Knäcke	16.8000	0.05
	Speedy Express	Ravioli Angelo	15.6000	0.05
	Speedy Express	Louisiana Fiery	16.8000	0
	United Package	Sir Rodney's M	64.8000	0.05
	United Package	Geitost	2.0000	0.05
	United Package	Camembert Pie	27.2000	0
	United Package	Gorgonzola Teli	10.0000	0
	United Package	Chartreuse verte	14.4000	0

	Column	Alias	Table	Outp	Sort Type	Sort Order	Filter	Or
SELECT	dbo.Emplo	yees.LastNan	ne, dbo.Emplo	oyees.FirstNa	me, dbo.Custo	mers.CompanyNa	me	
FROM	dbo.Emp	ovees INNER	JOIN					
	250-5-3-5-5-6-6-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1							
	dbo.Fmi	ployeeTerritor	ries ON dbo.Fr	mplovees.Em	ployeeID = db	o.EmployeeTerrito	ries.Employeell	INNER JOIN
						o.EmployeeTerrito		INNER JOIN
	dbo.Ord	ers ON dbo.E	mployees.Emp	ployeelD = dl	bo.Orders.Emp	loyeelD INNER JOI	N	
	dbo.Ord dbo.Ten	ers ON dbo. <mark>E</mark> itories ON db	mployees.EmployeeTe	ployeelD = dl erritories.Terr	bo.Orders.Emp ritoryID = dbo.	loyeeID INNER JOI Territories.Territory	N	
	dbo.Ord dbo.Ten	ers ON dbo. <mark>E</mark> itories ON db	mployees.EmployeeTe	ployeelD = dl erritories.Terr	bo.Orders.Emp	loyeeID INNER JOI Territories.Territory	N	

	LastName	FirstName	CompanyName
Þ	Davolio	Nancy	Ernst Handel
	Davolio	Nancy	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Dodsworth	Anne	Ernst Handel
	Davolio	Nancy	Ernst Handel
	Davolio	Nancy	Ernst Handel
	Fuller	Andrew	Ernst Handel
	Fuller	Andrew	Ernst Handel
	Fuller	Andrew	Ernst Handel
	Fuller	Andrew	Ernst Handel
	Fuller	Andrew	Ernst Handel