

1. select * from hwCategories;

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

2. select CompanyName, Address, City,Region,PostalCode,Phone
from hwSuppliers
where Country="France" or Country="Germany";

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CompanyName	Address	City	Region	PostalCode	Phone
Heli Süßwaren GmbH & Co. KG	Tiergartenstraße 5	Berlin		10785	(010) 9984510
Plutzer Lebensmittelgroßmärkte AG	Bogenallee 51	Frankfurt		60439	(069) 992755
Nord-Ost-Fisch Handelsgesellschaft mbH	Frahmredder 112a	Cuxhaven		27478	(04721) 8713
Aux joyeux ecclésiastiques	203 Rue des Francs-Bourgeois	Paris		75004	(1) 03.83.00.68
Escargots Nouveaux	22 rue H. Voiron	Montceau		71300	85.57.00.07
Gai pâturage	Bat. B 3 rue des Alpes	Annecy		74000	38.76.98.06

3. select ContactName,ContactTitle
from hwSuppliers
where SupplierID>=5 and SupplierID<=20
order by ContactName;

ContactName	ContactTitle
Antonio del Valle Saavedra	Export Administrator
Beate Vileid	Marketing Manager
Carlos Diaz	Marketing Manager
Chandra Leka	Owner
Cheryl Saylor	Regional Account Rep.
Elio Rossi	Sales Representative
Guylène Nodier	Sales Manager
Ian Devling	Marketing Manager
Lars Peterson	Sales Agent
Martin Bein	International Marketing Mgr.
Mayumi Ohno	Marketing Representative
Michael Björn	Sales Representative
Peter Wilson	Sales Representative
Petra Winkler	Sales Manager
Robb Merchant	Wholesale Account Agent
Sven Petersen	Coordinator Foreign Markets

4. select ProductName, QuantityPerUnit, UnitPrice, UnitsInStock
from hwProducts
where UnitPrice<10;

ProductName	QuantityPerUnit	UnitPrice	UnitsInStock
Konbu	2 kg box	6	24
Teatime Chocolate Biscuits	10 boxes x 12 pieces	9.2	25
Tunnbröd	12 - 250 g pkgs.	9	61
Guaraná Fantástica	12 - 355 ml cans	4.5	20
Geitost	500 g	2.5	112
Jack's New England Clam Chowder	12 - 12 oz cans	9.65	85
Rogede sild	1k pkg.	9.5	5
Zaanse koeken	10 - 4 oz boxes	9.5	36
Filo Mix	16 - 2 kg boxes	7	38
Tourtière	16 pies	7.45	21
Rhönbräu Klosterbier	24 - 0.5 l bottles	7.75	125

5. select ProductID, ProductName, UnitsInStock, UnitPrice, ReorderLevel
from hwProducts
where UnitsInStock>0 and UnitsInStock<=ReorderLevel;

ProductID	ProductName	UnitsInStock	UnitPrice	ReorderLevel
2	Chang	17	19	25
3	Aniseed Syrup	13	10	25
11	Queso Cabrales	22	21	30
21	Sir Rodney's Scones	3	10	5
30	Nord-Ost Matjeshering	10	25.89	15
32	Mascarpone Fabioli	9	32	25
37	Gravad lax	11	26	25
43	Ipoh Coffee	17	46	25
45	Rogede sild	5	9.5	15
48	Chocolade	15	12.75	25
49	Maxilaku	10	20	15
56	Gnocchi di nonna Alice	21	38	30
64	Wimmers gute Semmelknödel	22	33.25	30
66	Louisiana Hot Spiced Okra	4	17	20
68	Scottish Longbreads	6	12.5	15
70	Outback Lager	15	15	30
74	Longlife Tofu	4	10	5

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6. SELECT LastName,FirstName, Date_Format(HireDate, '%m/%d/%Y')
    FROM hwEmployees
    WHERE Country!="USA" and HireDate<='2014-06-28'
    order by LastName;

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LastName	FirstName	Date_Format(HireDate, '%m/%d/%Y')
Buchanan	Steven	10/17/2013
Dodsworth	Anne	11/15/2004
King	Robert	09/02/2012
Suyama	Michael	10/17/2011

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7. SELECT ProductName, UnitPrice
    FROM hwProducts
    WHERE ProductID
        IN(SELECT ProductID
            FROM hwProducts
            WHERE UnitPrice =(SELECT MAX(UnitPrice)
                                FROM hwProducts));

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ProductName	UnitPrice
Côte de Blaye	263.5

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8. SELECT ProductID, ProductName,(UnitsInStock*UnitPrice) as "Total Inventory
Value"
    from hwProducts
    WHERE UnitsInStock*UnitPrice>2000;

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ProductID	ProductName	Total Inventory Value
6	Grandma's Boysenberry Spread	3000
9	Mishi Kobe Niku	2813
12	Queso Manchego La Pastora	3268
18	Carnarvon Tigers	2625
20	Sir Rodney's Marmalade	3240
22	Gustaf's Knäckebröd	2184
27	Schoggi Schokolade	2151.1
36	Inlagd Sill	2128
38	Côte de Blaye	4479.5
40	Boston Crab Meat	2263.2
55	Pâté chinois	2760
59	Raclette Courdavault	4345
61	Sirop d'érable	3220.5

9. Select ProductID,ProductName,UnitPrice
from hwProducts
where QuantityPerUnit
like '%cans%' and Discontinued=1;

ProductID	ProductName	UnitPrice
24	Guaraná Fantástica	4.5
28	Rössle Sauerkraut	45.6

10. SELECT ShipCountry,COUNT(OrderID) as Orders
FROM hwOrders
WHERE ShipCountry != "USA"
and MONTH(ShippedDate)='9'
and YEAR(ShippedDate)='2013'
Group BY ShipCountry;

ShipCountry	Orders
Sweden	1
Italy	2
Brazil	4
Mexico	3
France	3
Venezuela	1
Ireland	1
Germany	1
Spain	2

11. SELECT Round(sum(UnitPrice)/COUNT(ProductID),2) as 'Average Unit Price'

From hwProducts;

Average Unit Price
28.87

12. Select Count(CustomerID) as "Customer from France"

From hwCustomers

Where Country="France";

Customer from France
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13. select CustomerID, ShipCountry
 from hwOrders
 group by CustomerID,ShipCountry
 having COUNT(CustomerID)>20;

CustomerID	ShipCountry
ERNSH	Austria
QUICK	Germany
SAVEA	USA

14. select SupplierID, SUM(UnitPrice*UnitsInStock)
 as "total value of inventory"
 from hwProducts
 where SupplierID BETWEEN 1 and 5
 group by SupplierID;

SupplierID	total value of inventory
1	1155
2	2833.8
3	3690
4	3814
5	3730

15. SELECT CompanyName, hwProducts.ProductName,hwProducts.UnitPrice
 from hwSuppliers
 Join hwProducts
 on hwProducts.SupplierID=hwSuppliers.SupplierID
 WHERE Country='USA'
 GROUP BY CompanyName,

hwProducts.ProductName,hwProducts.UnitPrice;

CompanyName	ProductName	UnitPrice
New Orleans Cajun Delights	Chef Anton's Cajun Seasoning	22
New Orleans Cajun Delights	Chef Anton's Gumbo Mix	21.35
Grandma Kelly's Homestead	Grandma's Boysenberry Spread	25
Grandma Kelly's Homestead	Uncle Bob's Organic Dried Pears	30
Grandma Kelly's Homestead	Northwoods Cranberry Sauce	40
Bigfoot Breweries	Sasquatch Ale	14
Bigfoot Breweries	Steeleye Stout	18
New England Seafood Cannery	Boston Crab Meat	18.4
New England Seafood Cannery	Jack's New England Clam Chowder	9.65
New Orleans Cajun Delights	Louisiana Fiery Hot Pepper Sauce	21.05
New Orleans Cajun Delights	Louisiana Hot Spiced Okra	17
Bigfoot Breweries	Laughing Lumberjack Lager	14

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16. select FirstName, LastName, Title, count(hwOrders.OrderID)
    from hwOrders
    join hwEmployees
    on hwEmployees.employeeId=hwOrders.EmployeeID
    group by FirstName, LastName, Title
    having count(hwOrders.OrderID)>100
    order by Concat(FirstName, ' ', LastName);

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FirstName	LastName	Title	count(hwOrders.OrderID)
Janet	Leverling	Sales Representative	127
Laura	Callahan	Inside Sales Coordinator	104
Margaret	Peacock	Sales Representative	156
Nancy	Davolio	Sales Representative	123

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17. Select hwCustomers.CustomerID, hwCustomers.CompanyName
    from hwCustomers
    Left join hwOrders
    on hwCustomers.CustomerID=hwOrders.CustomerID

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where hwOrders.OrderID is NULL;

CustomerID	CompanyName
FISSA	FISSA Fabrica Inter. Salchichas S.A.
PARIS	Paris specialites

18. Select CompanyName, ContactName,
hwCategories.CategoryName,hwCategories.Description,
hwProducts.ProductName,hwProducts.UnitsInStock
from hwSuppliers
Join hwCategories,hwProducts
where hwProducts.UnitsInStock=0
and hwProducts.SupplierID=hwSuppliers.SupplierID
and hwProducts.CategoryID=hwCategories.CategoryID;

CompanyName	ContactName	CategoryName	Description	ProductName	UnitsInStock
New Orleans Cajun Delights	Shelley Burke	Condiments	Sweet and savory sauces, relishes, spreads, and seasonings	Chef Anton's Gumbo Mix	0
Pavlova Ltd.	Ian Devling	Meat/Poultry	Prepared meats	Alice Mutton	0
Plutzer Lebensmittelgroßmärkte AG	Martin Bein	Meat/Poultry	Prepared meats	Thüringer Rostbratwurst	0
Formaggi Fortini s.r.l.	Elio Rossi	Dairy Products	Cheeses	Gorgonzola Telino	0
G'day Mate	Wendy Mackenzie	Meat/Poultry	Prepared meats	Perth Pasties	0

19. Select ProductName,UnitsInStock,
hwSuppliers.CompanyName,hwSuppliers.Country
from hwProducts
Join hwSuppliers
where hwProducts.SupplierID=hwSuppliers.SupplierID
and QuantityPerUnit Like '%bottle%' or '%bottles%';

ProductName	UnitsInStock	CompanyName	Country
Chang	17	Exotic Liquids	UK
Aniseed Syrup	13	Exotic Liquids	UK
Genen Shouyu	39	Mayumi's	Japan
Sasquatch Ale	111	Bigfoot Breweries	USA
Steeleye Stout	20	Bigfoot Breweries	USA
Côte de Blaye	17	Aux joyeux ecclésiastiques	France
Chartreuse verte	69	Aux joyeux ecclésiastiques	France
Sirop d'érable	113	Forêts d'érables	Canada
Louisiana Fiery Hot Pepper Sauce	76	New Orleans Cajun Delights	USA
Laughing Lumberjack Lager	52	Bigfoot Breweries	USA
Outback Lager	15	Pavlova Ltd.	Australia
Rhönbräu Klosterbier	125	Plutzer Lebensmittelgroßmärkte AG	Germany

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20. SELECT CompanyName,hwOrders.ShipName,
       Round((hwOrderDetails.UnitPrice*hwOrderDetails.Quantity)*(1 -
hwOrderDetails.Discount),2)
       as 'Value of all orders'
       from hwCustomers
       Inner JOIN hwOrders,hwOrderDetails
       where hwCustomers.Country='Mexico'
       and hwCustomers.CustomerID=hwOrders.CustomerID
       and hwOrders.OrderID=hwOrderDetails.OrderID;

```

Company/Name	Ship/Name	Value of all orders
Centro comercial Modestura	Centro comercial Modestura	460
Centro comercial Modestura	Centro comercial Modestura	26.6
Tortuga Restaurante	Tortuga Restaurante	372
Tortuga Restaurante	Tortuga Restaurante	48
Tortuga Restaurante	Tortuga Restaurante	600
Tortuga Restaurante	Tortuga Restaurante	36
Tortuga Restaurante	Tortuga Restaurante	175.5
Tortuga Restaurante	Tortuga Restaurante	27.2
Tortuga Restaurante	Tortuga Restaurante	460
Tortuga Restaurante	Tortuga Restaurante	440
Tortuga Restaurante	Tortuga Restaurante	34.4
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	28.8
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	40
Tortuga Restaurante	Tortuga Restaurante	249.4
Tortuga Restaurante	Tortuga Restaurante	508.6
Tortuga Restaurante	Tortuga Restaurante	420
Pedidos Comidas clásicas	Pedidos Comidas clásicas	112
Pedidos Comidas clásicas	Pedidos Comidas clásicas	172.8
Pedidos Comidas clásicas	Pedidos Comidas clásicas	396
Antonio Moreno Taquería	Antonio Moreno Taquería	468.2
Pedidos Comidas clásicas	Pedidos Comidas clásicas	223.2
Pedidos Comidas clásicas	Pedidos Comidas clásicas	468.2
Pedidos Comidas clásicas	Pedidos Comidas clásicas	308.7
Pedidos Comidas clásicas	Pedidos Comidas clásicas	40
Pedidos Comidas clásicas	Pedidos Comidas clásicas	198.5
Pedidos Comidas clásicas	Pedidos Comidas clásicas	198.4
Pedidos Comidas clásicas	Pedidos Comidas clásicas	420
Antonio Moreno Taquería	Antonio Moreno Taquería	588.5
Antonio Moreno Taquería	Antonio Moreno Taquería	162.56
Tortuga Restaurante	Tortuga Restaurante	22.5
Tortuga Restaurante	Tortuga Restaurante	380.2
Tortuga Restaurante	Tortuga Restaurante	175.08
Antonio Moreno Taquería	Antonio Moreno Taquería	345
Antonio Moreno Taquería	Antonio Moreno Taquería	168.6
Antonio Moreno Taquería	Antonio Moreno Taquería	87.75
Antonio Moreno Taquería	Antonio Moreno Taquería	742.5
Antonio Moreno Taquería	Antonio Moreno Taquería	702
Antonio Moreno Taquería	Antonio Moreno Taquería	240
Antonio Moreno Taquería	Antonio Moreno Taquería	800
Tortuga Restaurante	Tortuga Restaurante	180
Tortuga Restaurante	Tortuga Restaurante	250
Tortuga Restaurante	Tortuga Restaurante	456.45
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	68.75
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	70
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	240
Tortuga Restaurante	Tortuga Restaurante	40
Tortuga Restaurante	Tortuga Restaurante	64.4
Tortuga Restaurante	Tortuga Restaurante	456.45
Antonio Moreno Taquería	Antonio Moreno Taquería	796.36
Antonio Moreno Taquería	Antonio Moreno Taquería	17
Antonio Moreno Taquería	Antonio Moreno Taquería	70
Antonio Moreno Taquería	Antonio Moreno Taquería	48
Antonio Moreno Taquería	Antonio Moreno Taquería	222.5
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	320
Tortuga Restaurante	Tortuga Restaurante	215
Tortuga Restaurante	Tortuga Restaurante	230
Tortuga Restaurante	Tortuga Restaurante	250
Tortuga Restaurante	Tortuga Restaurante	180
Antonio Moreno Taquería	Antonio Moreno Taquería	380
Antonio Moreno Taquería	Antonio Moreno Taquería	280
Tortuga Restaurante	Tortuga Restaurante	360
Tortuga Restaurante	Tortuga Restaurante	70
Tortuga Restaurante	Tortuga Restaurante	74.5
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	40
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	40
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	64.4
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	348
Pedidos Comidas clásicas	Pedidos Comidas clásicas	1000
Pedidos Comidas clásicas	Pedidos Comidas clásicas	136
Tortuga Restaurante	Tortuga Restaurante	360
Pedidos Comidas clásicas	Pedidos Comidas clásicas	210
Pedidos Comidas clásicas	Pedidos Comidas clásicas	90

21. Create VIEW EmployeesOrders As

SELECT FirstName,LastName,COUNT(hwOrders.OrderID)

as 'OrderCount'

from hwEmployees

Inner Join hwOrders

where hwEmployees.EmployeeeID=hwOrders.EmployeeeID

GROUP BY FirstName,LastName;

22. Select * from EmployeesOrders;

FirstName	LastName	OrderCount
Steven	Buchanan	42
Michael	Suyama	67
Margaret	Peacock	156
Janet	Leverling	127
Anne	Dodsworth	43
Nancy	Davolio	123
Laura	Callahan	104
Andrew	Fuller	96
Robert	King	72

23. CREATE TABLE IF NOT EXISTS TopItems (

ItemID INT NOT NULL,

ItemCode INT,

ItemName VARCHAR(40) NOT NULL,

ItemDate DATE NOT NULL,

ItemQuantity INT NOT NULL,

ItemPrice DECIMAL(9, 2) NOT NULL,

SupplierID INT NOT NULL,

PRIMARY KEY (ItemID)

);

24. insert into

TopItems

(ItemID,

ItemName,ItemDate,ItemQuantity,ItemPrice,SupplierID)

select

ProductID,ProductName,curdate(),UnitsInStock,UnitPrice,SupplierID

from hwProducts

where UnitPrice<8;

select * from TopItems;

ItemID	ItemCode	ItemName	ItemDate	ItemQuantity	ItemPrice	SupplierID
13	NULL	Konbu	2019-06-29	24	6	6
24	NULL	Guaraná Fantástica	2019-06-29	20	4.5	10
33	NULL	Geitost	2019-06-29	112	2.5	15
52	NULL	Filo Mix	2019-06-29	38	7	24
54	NULL	Tourtière	2019-06-29	21	7.45	25
75	NULL	Rhönbräu Klosterbier	2019-06-29	125	7.75	12

25. delete from TopItems where itemID=54 or itemID=75;

select * from TopItems;

ItemID	ItemCode	ItemName	ItemDate	ItemQuantity	ItemPrice	SupplierID
13	NULL	Konbu	2019-06-29	24	6	6
24	NULL	Guaraná Fantástica	2019-06-29	20	4.5	10
33	NULL	Geitost	2019-06-29	112	2.5	15
52	NULL	Filo Mix	2019-06-29	38	7	24

26. alter table TopItems add InventoryValue decimal(9,2) After ItemPrice;

select * from TopItems;

ItemID	ItemCode	ItemName	ItemDate	ItemQuantity	ItemPrice	InventoryValue	SupplierID
13	NULL	Konbu	2019-06-29	24	6	NULL	6
24	NULL	Guaraná Fantástica	2019-06-29	20	4.5	NULL	10
33	NULL	Geitost	2019-06-29	112	2.5	NULL	15
52	NULL	Filo Mix	2019-06-29	38	7	NULL	24

27. update TopItems set InventoryValue=ItemPrice*ItemQuantity;

Select * from TopItems;

ItemID	ItemCode	ItemName	ItemDate	ItemQuantity	ItemPrice	InventoryValue	SupplierID
13	NULL	Konbu	2019-06-29	24	6	144	6
24	NULL	Guaraná Fantástica	2019-06-29	20	4.5	90	10
33	NULL	Geitost	2019-06-29	112	2.5	280	15
52	NULL	Filo Mix	2019-06-29	38	7	266	24

28. SHOW COLUMNS FROM TopItems;

Field	Type	Null	Key	Default	Extra
ItemID	int(11)	NO	PRI	NULL	
ItemCode	int(11)	YES		NULL	
ItemName	varchar(40)	NO		NULL	
ItemDate	date	NO		NULL	
ItemQuantity	int(11)	NO		NULL	
ItemPrice	decimal(9,2)	NO		NULL	
InventoryValue	decimal(9,2)	YES		NULL	
SupplierID	int(11)	NO		NULL	

29. drop table TopItems;

30. drop view EmployeesOrders;