```
-- 1
SELECT CompanyName, Country
FROM hwsuppliers
WHERE country='Japan' OR country='Germany';
```

Company Name	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 <= 8 AND SupplierID >= 5
ORDER BY ContactName DESC;
```

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

```
-- 5
SELECT p.ProductName, p.UnitPrice
FROM hwproducts AS p
INNER JOIN
        (SELECT ProductName, UnitPrice
        FROM hwproducts
    ORDER BY UnitPrice ASC
    LIMIT 5) AS q
ON p.ProductName = q.ProductName
ORDER BY p.UnitPrice ASC;
```

ProductName	UnitPrice
Geitost	2.50
Guaraná Fantástica	4.50
Konbu	6.00
Filo Mix	7.00
Tourtière	7.45

```
-- 6
SELECT ShipCountry, COUNT(*) AS OrderCounts
FROM hworders
WHERE ShipCountry != 'USA'
AND ShippedDate BETWEEN '2015/05/04' AND '2015/05/05'
GROUP BY ShipCountry;
```

ShipCountry	OrderCounts
Brazil	2
Sweden	1
Venezuela	1
Italy	1

```
-- 7
SELECT FirstName, LastName, HireDate
FROM hwemployees
WHERE country != 'USA'
AND DATEDIFF(CURDATE(), HireDate) >= (5*365);
```

FirstName	LastName	HireDate
Steven	Buchanan	2013-10-17 00:00:00
Michael	Suyama	2011-10-17 00:00:00
Robert	King	2012-09-02 00:00:00
Anne	Dodsworth	2004-11-15 00:00:00

```
-- 8
SELECT ProductName, (UnitsInStock*UnitPrice) AS InventoryValue
FROM hwproducts
WHERE (UnitsInStock*UnitPrice) < 4000 AND (UnitsInStock*UnitPrice) > 3000;
```

ProductName	InventoryValue
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 <= ReorderLevel;
```

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

```
-- 10
SELECT ProductName, UnitPrice
FROM hwproducts
WHERE QuantityPerUnit LIKE '%box%'
AND Discontinued = 1;
```

ProductName	UnitPrice
Chef Anton's Gumbo Mix	21.35

```
-- 11
SELECT ProductName, (UnitsInStock*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(*) AS CustomerCount
FROM hwcustomers
GROUP BY Country
HAVING CustomerCount > 8;
```

Country	CustomerCount
Germany	11
Brazil	9
USA	13

```
-- 13
SELECT ShipCountry, ShipCity, COUNT(*) AS OrderCount
FROM hworders
WHERE ShipCountry = 'Austria'
OR ShipCountry = 'Argentina'
GROUP BY ShipCountry;
```

ShipCountry	ShipCity	OrderCount
Austria	Graz	40
Argentina	Buenos Aires	16

```
-- 14
SELECT hwsuppliers.CompanyName AS CompanyName, hwproducts.ProductName
FROM hwsuppliers
INNER JOIN hwproducts
ON hwsuppliers.SupplierID = hwproducts.SupplierID
WHERE hwsuppliers.Country = 'Spain';
```

CompanyName	ProductName
Cooperativa de Quesos 'Las Cabras'	Queso Cabrales
Cooperativa de Quesos 'Las Cabras'	Queso Manchego La Pastora

```
-- 15
SELECT avg(UnitPrice) AS AverageUnitPrice
FROM hwproducts
WHERE ProductName LIKE '%T';
```

AverageUnitPrice
39.421111

```
-- 16
SELECT CONCAT(hwemployees.FirstName, ' ', hwemployees.LastName) AS FullName,
hwemployees.Title, COUNT(hworders.EmployeeID) AS OrderCount
FROM hwemployees
LEFT JOIN hworders
ON hwemployees.EmployeeID = hworders.EmployeeID
GROUP BY hworders.EmployeeID
HAVING OrderCount > 120;
```

FullName	Title	OrderCount
Margaret Peacock	Sales Representative	156
Janet Leverling	Sales Representative	127
Nancy Davolio	Sales Representative	123

```
-- 17
SELECT CompanyName
FROM  hwcustomers
LEFT JOIN hworders
ON hwcustomers.CustomerID = hworders.CustomerID
WHERE hworders.CustomerID IS NULL;
```

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

```
-- 18
SELECT hwcategories.CategoryName, hwproducts.ProductName
FROM hwcategories
INNER JOIN hwproducts
ON hwcategories.CategoryID = hwproducts.CategoryID
WHERE hwproducts.UnitsInStock = 0;
```

CategoryName	ProductName
Condiments	Chef Anton's Gumbo Mix
Meat/Poultry	Alice Mutton
Meat/Poultry	Thüringer Rostbratwurst
Dairy Products	Gorgonzola Telino
Meat/Poultry	Perth Pasties

-- 19
```sql
SELECT ProductName, QuantityPerUnit
FROM hwproducts
LEFT JOIN hwsuppliers
ON hwproducts.SupplierID = hwsuppliers.SupplierID
WHERE (hwproducts.QuantityPerUnit LIKE '%pkgs%'
OR hwproducts.QuantityPerUnit LIKE '%jars%')
AND hwsuppliers.Country = 'Japan';
```

ProductName	QuantityPerUnit
Mishi Kobe Niku	18 - 500 g pkgs.
Ikura	12 - 200 ml jars
Tofu	40 - 100 g pkgs.

-- 20
```sql
SELECT hwcustomers.CompanyName, hworders.ShipName,
ROUND(SUM((hworderdetails.UnitPrice - hworderdetails.Discount) * hworderdetails.Quantity),2) AS
OrderValue
FROM hwcustomers
INNER JOIN hworders
ON hwcustomers.CustomerID = hworders.CustomerID
INNER JOIN hworderdetails
ON hworders.OrderID = hworderdetails.OrderID
WHERE hwcustomers.Country = 'Mexico'
GROUP BY hwcustomers.CompanyName;
```

CompanyName	ShipName	OrderValue
Centro comercial Moctezuma	Centro comercial Moctezuma	100.80
Tortuga Restaurante	Tortuga Restaurante	10812.15
Ana Trujillo Emparedados y helados	Ana Trujillo Emparedados y helados	1402.95
Pericles Comidas clásicas	Pericles Comidas clásicas	4242.20
Antonio Moreno Taqueria	Antonio Moreno Taquería	7497.15

```
-- 21
SELECT hwproducts.ProductName, hwsuppliers.Region
FROM hwproducts
LEFT JOIN hwsuppliers
ON hwproducts.SupplierID = hwsuppliers.SupplierID
WHERE hwproducts.ProductName LIKE'L%'
AND hwsuppliers.Region != '';
```

ProductName	Region
Louisiana Fiery Hot Pepper Sauce	LA
Louisiana Hot Spiced Okra	LA
Laughing Lumberjack Lager	OR

```
-- 22
SELECT ShipCountry, ShipName, DATE_FORMAT(OrderDate, '%M %Y') AS 'Date'
FROM hworders
LEFT JOIN hwcustomers
ON hworders.CustomerID = hwcustomers.CustomerID
WHERE ShipCity = 'Versailles'
AND hwcustomers.CustomerID IS NULL;
```

ShipCountry	ShipName	Date
France	La corne dabondance	January 2015
France	La corne dabondance	March 2015
France	La corne dabondance	March 2015
France	La corne dabondance	March 2015

```
-- 23
SELECT ProductName, UnitsInStock, RANK() OVER(
        ORDER BY UnitsInStock DESC) AS 'Rank'
FROM hwproducts
WHERE ProductName LIKE 'F%'
ORDER BY UnitsInStock DESC;
```

ProductName	UnitsInStock	Rank
Filo Mix	38	1
Flotemysost	26	2

```
-- 24
SELECT ProductName, UnitPrice, RANK() OVER(
        ORDER BY UnitPrice ASC) AS 'Rank'
FROM hwproducts
WHERE ProductID BETWEEN 1 AND 5
ORDER BY UnitPrice ASC;
```

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
SELECT FirstName, LastName, Country, DATE_FORMAT(BirthDate, '%m/%d/%Y') AS BirthDate, RANK()
OVER(
PARTITION BY Country
ORDER BY BirthDate ASC) AS 'Rank'
FROM hwemployees
ORDER BY Country;
```

FirstName	LastName	Country	BirthDate	Rank
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