## Northwind Database Query Answers

1. SELECT CategoryName, Description

FROM northwind.categories

ORDER BY CategoryName;

1. SELECT ContactName, CompanyName, ContactTitle, Phone

From northwind.customers

ORDER BY Phone;

1. SELECT UPPER(FirstName) AS FirstName, UPPER( LastName) AS LastName, HireDate

FROM northwind.employees

ORDER BY HireDate;

1. SELECT OrderID, OrderDate, ShippedDate, CustomerID, Freight

FROM northwind.orders

ORDER BY Freight Desc

LIMIT 10;

1. SELECT lower(CustomerID) AS ID FROM northwind.customers;
2. SELECT CompanyName, Fax, Phone,Country, HomePage

FROM northwind.suppliers

ORDER BY Country DESC, CompanyName ;

1. SELECT CompanyName,ContactName

FROM northwind.customers

WHERE City = 'Buenos Aires';

1. SELECT ProductName, UnitPrice, QuantityPerUnit

FROM northwind.products

WHERE Discontinued = 1;

1. SELECT ContactName, Address, City

FROM northwind.customers

WHERE Country NOT IN ("Germany","Mexico", "Spain");

1. SELECT OrderDate, ShippedDate, CustomerID, Freight

FROM northwind.orders

WHERE OrderDate = '1996-05-21 ';

1. SELECT FirstName,LastName,CountryFROM northwind.employees

WHERE Country <> 'USA';

1. SELECT EmployeeID,OrderID,CustomerID,RequiredDate,ShippedDate

FROM northwind.orders

WHERE ShippedDate > RequiredDate;

1. SELECT City,CompanyName,ContactName

FROM northwind.customers

WHERE City LIKE "A%" OR City LIKE "B%";

1. SELECT OrderID

FROM northwind.orders

WHERE mod(OrderID,2)=0;

1. SELECT \* FROM northwind.orders

WHERE Freight > 500;

1. SELECT ProductName, UnitsInStock,UnitsOnOrder,ReorderLevel

FROM northwind.products

WHERE ReorderLevel = 0;

1. SELECT CompanyName,ContactName,Fax

FROM northwind.customers

WHERE Fax IS NOT NULL;

1. SELECT FirstName, LastName

FROM northwind.employees

WHERE ReportsTo IS NULL;

1. SELECT OrderID

FROM northwind.orders

WHERE mod(OrderID,2)=1;

1. SELECT CompanyName,ContactName,Fax

FROM northwind.customers

WHERE Fax IS NOT NULL

ORDER BY ContactName;

1. SELECT City,CompanyName,ContactName,city

FROM northwind.customers

WHERE City LIKE "%L%"

ORDER BY ContactName;

1. SELECT FirstName, LastName,BirthDate

FROM northwind.employees

where BirthDate Between '1950-01-01'

AND '1959-12-31';

1. SELECT LastName, FirstName, extract(year from Birthdate) AS BirthYear

FROM northwind.employees;

1. SELECT OrderID, count(OrderID) as NumberofOrders

FROM northwind.`order details`

GROUP BY OrderID

ORDER BY NumberofOrders DESC ;

1. SELECT s.SupplierID, p.ProductName, S.CompanyName

FROM northwind.suppliers s

JOIN northwind.products p

ON s.SupplierID = p.SupplierID

WHERE s.CompanyName IN ('Exotic Liquids','Specialty Biscuits, Ltd.','Escargots Nouveaux')

ORDER BY s.SupplierID;

1. SELECT ShipPostalCode, OrderID, OrderDate, RequiredDate, ShippedDate,ShipAddress

FROM northwind.orders

WHERE ShipPostalCode = '98124';

1. SELECT ContactName, ContactTitle, CompanyName

FROM northwind.customers

WHERE ContactTitle NOT LIKE "%Sales%";

1. SELECT LastName, FirstName, City

FROM northwind.employees

WHERE City != "Seattle";

1. SELECT CompanyName, ContactTitle, City, Country

FROM northwind.customers

WHERE Country IN ("Mexico","Spain")

AND City <> "Madrid";

1. SELECT CONCAT( FirstName,' ', LastName ,' can be reached at ', 'x',Extension ) AS Contactinfo

FROM northwind.employees;

1. SELECT ContactName

FROM northwind.customers

where ContactName NOT like "\_A%";

1. SELECT round (avg (UnitPrice),0) AS AveragePrice,

SUM(UnitsInStock) AS TotalStock,

max(UnitsOnOrder) as MaxOrder

FROM northwind.products;

1. SELECT s.SupplierID, s.CompanyName, c.CategoryName, p.ProductName, p.UnitPrice

FROM northwind.products p

JOIN northwind.suppliers s

ON s.SupplierID = p.SupplierID

JOIN northwind.categories C

On c.CategoryID = p.CategoryID;

1. SELECT CustomerID, sum(Freight)

FROM northwind.orders

GROUP BY CustomerID

HAVING sum(Freight) > "200";

1. SELECT od.OrderID, c.ContactName,od.UnitPrice,od.Quantity,od.Discount

FROM northwind.`order details` od

JOIN northwind.orders o

ON od.OrderID = o.OrderID

JOIN northwind.customers c

ON c.CustomerID = o.CustomerID

WHERE od.Discount != '0';

1. SELECT a.EmployeeID,

CONCAT (a.LastName, " " ,a.FirstName )as employee,

CONCAT (b.LastName," " , b.FirstName ) as manager

FROM northwind.employees a

LEFT JOIN northwind.employees b

ON b.EmployeeID = a.ReportsTo

ORDER BY a.EmployeeID;

1. SELECT avg(UnitPrice) AS AveragePrice,

min(UnitPrice)AS MinimumPrice,

max(UnitPrice)AS MaximumPrice

from northwind.products;

1. CREATE VIEW CustomerInfo AS

SELECT c.CustomerID, c.CompanyName, c.ContactName, c.ContactTitle, c.Address,

c.City,c.Country,c.Phone,o.OrderDate, o.RequiredDate, o.ShippedDate

FROM

northwind.customers c

JOIN

northwind.orders o ON c.CustomerID = o.CustomerID;

1. RENAME TABLE customerinfo TO CustomerDetails;
2. CREATE VIEW ProductDetails AS

SELECT

p.ProductID,S.CompanyName,

p.ProductName,c.CategoryName, c.Description,

p.QuantityPerUnit, p.UnitPrice, p.UnitsInStock, p.UnitsOnOrder,

p.ReorderLevel, p.Discontinued

FROM northwind.suppliers s

JOIN northwind.products p ON s.SupplierID = p.SupplierID

JOIN northwind.categories c

ON c.CategoryID = p.CategoryID;

1. DROP VIEW IF EXISTS customerdetails;
2. SELECT substring(CategoryName,1,5) as Short\_info

FROM northwind.categories;

1. DROP table IF exists shippers\_dup;

CREATE TABLE shippers\_dup (LIKE northwind.shippers);

INSERT INTO shippers\_dup SELECT \* FROM northwind.shippers;

1. ALTER TABLE shippers\_dup

ADD column Email VARCHAR(50);

UPDATE northwind.shippers\_dup

SET Email ='speedyexpress@gmail.com'

WHERE ShipperID = '1';

UPDATE northwind.shippers\_dup

SET Email ='unitedpackage@gmail.com'

WHERE ShipperID = '2';

UPDATE northwind.shippers\_dup

SET Email ='federalshipping@gmail.com'

WHERE ShipperID = '3';

1. SELECT s.CompanyName,p.ProductName

FROM northwind.categories c

JOIN northwind.products p

ON c.CategoryID = p.CategoryID

JOIN northwind.suppliers s

ON s.SupplierID = p.SupplierID

WHERE CategoryName = "Seafood";

1. SELECT c.CategoryID, s.CompanyName, p.ProductName

FROM northwind.categories c

JOIN northwind.products p

ON c.CategoryID = p.CategoryID

JOIN northwind.suppliers s

ON s.SupplierID = p.SupplierID

WHERE c.CategoryID = "5";

1. DROP table IF exists shippers\_dup;
2. SELECT LastName, FirstName, Title,DATE\_FORMAT(FROM\_DAYS(DATEDIFF(CURRENT\_DATE, BirthDate)),"%y Years ")

AS Age from northwind.employees;

1. SELECT c.CompanyName, count(c.CustomerID) AS NumberofOrders

FROM northwind.customers c

JOIN northwind.orders o

ON o.CustomerID = c.CustomerID

WHERE o.OrderDate >= '1994-12-31'

GROUP BY c.CustomerID

Having count(c.CustomerID) > 10;

1. SELECT CONCAT( ProductName,' ', "weighs/is" ," ", QuantityPerUnit, " ", "and cost ","$",ROUND(UnitPrice) ) AS

ProductInfo

FROM northwind.products;