**50 Practice Queries of Northwind Database**

1. Create a report that shows the CategoryName and Description from the categories table sorted by CategoryName.

**SELECT CategoryName, Description FROM northwind.categories ORDER BY CategoryName;**

2. Create a report that shows the ContactName, CompanyName, ContactTitle and Phone number from the customers table sorted by Phone.

**SELECT ContactName, CompanyName, ContactTitle, Phone From northwind.customers ORDER BY Phone**

3. Create a report that shows the capitalized FirstName and capitalized LastName renamed as FirstName and Lastname respectively and HireDate from the employees table sorted from the newest to the oldest employee.

**SELECT UPPER(FirstName) AS FirstName, UPPER( LastName) AS LastName, HireDate FROM northwind.employees ORDER BY HireDate;**

4. Create a report that shows the top 10 OrderID, OrderDate, ShippedDate, CustomerID, Freight from the orders table sorted by Freight in descending order.

**SELECT OrderID, OrderDate, ShippedDate, CustomerID, Freight FROM northwind.orders ORDER BY Freight Desc LIMIT 10;**

5. Create a report that shows all the CustomerID in lowercase letter and renamed as ID from the customers table.

**SELECT lower(CustomerID) AS ID FROM northwind.customers;**

6. Create a report that shows the CompanyName, Fax, Phone, Country, HomePage from the suppliers table sorted by the Country in descending order then by CompanyName in ascending order.

**SELECT CompanyName, Fax, Phone,Country, HomePage FROM northwind.suppliers ORDER BY Country DESC, CompanyName ;**

7. Create a report that shows CompanyName, ContactName of all customers from ‘Buenos Aires' only.

**SELECT CompanyName,ContactName FROM northwind.customers WHERE City = 'Buenos Aires';**

8. Create a report showing ProductName, UnitPrice, QuantityPerUnit of products that are out of stock.

**SELECT ProductName, UnitPrice, QuantityPerUnit FROM northwind.products WHERE Discontinued = 1;**

9. Create a report showing all the ContactName, Address, City of all customers not from Germany, Mexico, Spain.

**SELECT ContactName, Address, City FROM northwind.customers WHERE Country NOT IN ("Germany","Mexico", "Spain");**

10. Create a report showing OrderDate, ShippedDate, CustomerID, Freight of all orders placed on 21 May 1996.

**SELECT OrderDate, ShippedDate, CustomerID, Freight FROM northwind.orders WHERE OrderDate = '1996-05-21 ';**

11. Create a report showing FirstName, LastName, Country from the employees not from United States.

**SELECT FirstName,LastName,Country FROM northwind.employees WHERE Country <> 'USA';**

12. Create a report that shows the EmployeeID, OrderID, CustomerID, RequiredDate, ShippedDate from all orders shipped later than the required date.

**SELECT EmployeeID,OrderID,CustomerID,RequiredDate,ShippedDate FROM northwind.orders WHERE ShippedDate > RequiredDate;**

13. Create a report that shows the City, CompanyName, ContactName of customers from cities starting with A or B.

**SELECT City,CompanyName,ContactName FROM northwind.customers WHERE City LIKE "A%" OR City LIKE "B%";**

14. Create a report showing all the even numbers of OrderID from the orders table.

**SELECT OrderID FROM northwind.orders WHERE mod(OrderID,2)=0;**

15. Create a report that shows all the orders where the freight cost more than $500.

**SELECT \* FROM northwind.orders WHERE Freight > 500;**

16. Create a report that shows the ProductName, UnitsInStock, UnitsOnOrder, ReorderLevel of all products that are up for reorder.

**SELECT ProductName, UnitsInStock,UnitsOnOrder,ReorderLevel FROM northwind.products WHERE ReorderLevel = 0;**

17. Create a report that shows the CompanyName, ContactName number of all customer that have no fax number.

**SELECT CompanyName,ContactName,Fax FROM northwind.customers WHERE Fax IS NOT NULL;**

18. Create a report that shows the FirstName, LastName of all employees that do not report to anybody.

**SELECT FirstName, LastName FROM northwind.employees WHERE ReportsTo IS NULL;**

19. Create a report showing all the odd numbers of OrderID from the orders table.

**SELECT OrderID FROM northwind.orders WHERE mod(OrderID,2)=1;**

20. Create a report that shows the CompanyName, ContactName, Fax of all customers that do not have Fax number and sorted by ContactName.

**SELECT CompanyName,ContactName,Fax FROM northwind.customers WHERE Fax IS NOT NULL ORDER BY ContactName;**

21. Create a report that shows the City, CompanyName, ContactName of customers from cities that has letter L in the name sorted by ContactName.

**SELECT City,CompanyName,ContactName,city FROM northwind.customers WHERE City LIKE "%L%" ORDER BY ContactName;**

22. Create a report that shows the FirstName, LastName, BirthDate of employees born in the 1950s.

**SELECT FirstName, LastName,BirthDate FROM northwind.employees where BirthDate >= '1950-01-01' AND BirthDate < '1960-01-01';**

**OR**

**SELECT FirstName, LastName,BirthDate FROM northwind.employees where BirthDate Between '1950-01-01' AND '1959-12-31';**

23. Create a report that shows the FirstName, LastName, the year of Birthdate as birth year from the employees table.

**SELECT LastName, FirstName, extract(year from Birthdate) AS BirthYear FROM northwind.employees;**

24. Create a report showing OrderID, total number of Order ID as NumberofOrders from the orderdetails table grouped by OrderID and sorted by NumberofOrders in descending order. HINT: you will need to use a Groupby statement.

**SELECT OrderID, count(OrderID) as NumberofOrders FROM northwind.`order details` GROUP BY OrderID ORDER BY NumberofOrders DESC ;**

25. Create a report that shows the SupplierID, ProductName, CompanyName from all product Supplied by Exotic Liquids, Specialty Biscuits, Ltd., Escargots Nouveaux sorted by the supplier ID

**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;**

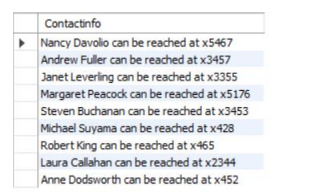
26. Create a report that shows the ShipPostalCode, OrderID, OrderDate, RequiredDate, ShippedDate, ShipAddress of all orders with ShipPostalCode beginning with "98124".

27. Create a report that shows the ContactName, ContactTitle, CompanyName of customers that the has no "Sales" in their ContactTitle.

28. Create a report that shows the LastName, FirstName, City of employees in cities other "Seattle";

29. Create a report that shows the CompanyName, ContactTitle, City, Country of all customers in any city in Mexico or other cities in Spain other than Madrid.

30. Create a select statement that outputs the following:



31. Create a report that shows the ContactName of all customers that do not have letter A as the second alphabet in their Contactname.

32. Create a report that shows the average UnitPrice rounded to the next whole number, total price of UnitsInStock and maximum number of orders from the products table. All saved as AveragePrice, TotalStock and MaxOrder respectively.

33. Create a report that shows the SupplierID, CompanyName, CategoryName, ProductName and UnitPrice from the products, suppliers and categories table.

34. Create a report that shows the CustomerID, sum of Freight, from the orders table with sum of freight greater $200, grouped by CustomerID. HINT: you will need to use a Groupby and a Having statement.

35. Create a report that shows the OrderID ContactName, UnitPrice, Quantity, Discount from the order details, orders and customers table with discount given on every purchase.

36. Create a report that shows the EmployeeID, the LastName and FirstName as employee, and the LastName and FirstName of who they report to as manager from the employees table sorted by Employee ID. HINT: This is a SelfJoin.

37. Create a report that shows the average, minimum and maximum UnitPrice of all products as AveragePrice, MinimumPrice and MaximumPrice respectively.

38. Create a view named CustomerInfo that shows the CustomerID, CompanyName, ContactName, ContactTitle, Address, City, Country, Phone, OrderDate, RequiredDate, ShippedDate from the customers and orders table. HINT: Create a View.

39. Change the name of the view you created from customerinfo to customer details.

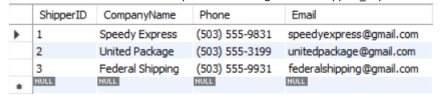
40. Create a view named ProductDetails that shows the ProductID, CompanyName, ProductName, CategoryName, Description, QuantityPerUnit, UnitPrice, UnitsInStock, UnitsOnOrder, ReorderLevel, Discontinued from the supplier, products and categories tables. HINT: Create a View

41. Drop the customer details view.

42. Create a report that fetch the first 5 character of categoryName from the category tables and renamed as ShortInfo

43. Create a copy of the shipper table as shippers\_duplicate. Then insert a copy of shippers data into the new table HINT: Create a Table, use the LIKE Statement and INSERT INTO statement.

44. Create a select statement that outputs the following from the shippers\_duplicate Table:



45. Create a report that shows the CompanyName and ProductName from all product in the Seafood category.

46. Create a report that shows the CategoryID, CompanyName and ProductName from all product in the categoryID 5.

47. Delete the shippers\_duplicate table.

48. Create a select statement that ouputs the following from the employees table. NB: The age might differ depending on the year you are attempting this query.

49. Create a report that the CompanyName and total number of orders by customer renamed as number of orders since Decemeber 31, 1994. Show number of Orders greater than 10.

50. Create a select statement that ouputs the following from the product table

NB: It should return 77 rows.

