**-- https://github.com/ChickenLeg05/Northwind-Database/blob/main/50%20Northwind%20Practice%20Queries.pdf**

**-- 50 Practice Queries of Northwind Database**

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

/\*SELECT category\_name, description

FROM public.categories

order by category\_name;\*/

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

**-- sorted by Phone**

/\*select contact\_name, company\_name, contact\_title, phone

from customers c

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(first\_name) as FirstName, UPPER(last\_name) as LastName, hire\_date

from employees e

order by hire\_date desc;\*/

**-- 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 order\_id, order\_date, shipped\_date, customer\_id, freight

from orders o

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(customer\_id) as ID

from customers c

\*/

**--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 company\_name, fax, phone, country, homepage

from suppliers s

order by country desc, company\_name\*/

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

/\*select company\_name, contact\_name

from customers c

where city = 'Buenos Aires'\*/

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

/\*select product\_name, unit\_price, quantity\_per\_unit

from products p

where units\_in\_stock = 0\*/

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

/\*select contact\_name, address, city

from customers c

where city not in ('Germany, Mexico', 'Spain')\*/

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

/\*select order\_date, shipped\_date, customer\_id

from orders o

where order\_date = '05-21-1996'\*/

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

/\*select first\_name, last\_name, country

from employees e

where country not like 'USA'\*/

**-- 12. Create a report that shows the EmployeeID, OrderID, CustomerID, RequiredDate, ShippedDate from all orders shipped later**

**-- than the required date.**

/\*select employee\_id, order\_id, customer\_id, required\_date, shipped\_date

from orders o

where shipped\_date > required\_date \*/

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

/\*

select city,company\_name, contact\_name

from customers c

where city like ('A%') or city like ('B%')

order by city

\*/

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

/\*select order\_id

from orders o

where (order\_id % 2 = 0)

order by order\_id \*/

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

/\*select \*

from orders o

where freight > 500\*/

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

**-- reorder.**

/\*select product\_name, units\_in\_stock, units\_on\_order, reorder\_level

from products p

where reorder\_level != 0\*/

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

/\*select company\_name, contact\_name

from customers c

where fax is not null \*/

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

/\*select first\_name, last\_name

from employees e

where reports\_to is null\*/

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

/\*select order\_id

from orders o

where (order\_id % 2 != 0)\*/

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

**-- by ContactName.**

/\*select company\_name, contact\_name, fax

from customers c

where fax is null

order by contact\_name\*/

**-- 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, company\_name, contact\_name

from customers c

where (city ilike ('%L%'))\*/

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

/\*select first\_name, last\_name, birth\_date

from employees e

where birth\_date between '1950-01-01' and '1960-01-01'\*/

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

/\*select first\_name, last\_name, extract(year from birth\_date) as birth\_year

from employees e \*/

**-- 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 order\_id, count(order\_id) as NumberofOrders

from order\_details od

group by order\_id

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 p.supplier\_id, p.product\_name, s.company\_name

from products p

join suppliers s

on p.supplier\_id = s.supplier\_id

where s.company\_name in ('Exotic Liquids', 'Specialty Biscuits, Ltd.', 'Escargots Nouveaux')

order by p.supplier\_id \*/

**-- 26. Create a report that shows the ShipPostalCode, OrderID, OrderDate, RequiredDate, ShippedDate, ShipAddress of all orders**

**-- with ShipPostalCode beginning with "98124"**

/\*select ship\_postal\_code, order\_id, order\_date, required\_date, shipped\_date, ship\_address

from orders o

where ship\_postal\_code like ('98124%')\*/

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

**-- ContactTitle.**

/\*select contact\_name, contact\_title, company\_name

from customers c

where contact\_title not like '%Sales%'\*/

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

/\*select last\_name, first\_name, city

from employees e

where city != '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.**

/\*select company\_name, contact\_title, city, country

from customers c

where (country = 'Mexico') or ((country = 'Spain') and (city != 'Madrid'))\*/

**-- 30. . Create a select statement that outputs the image (refer to main link)**

/\*select (first\_name||' '||last\_name||' can be reached at x'||extension) as ContactInfo

from employees e \*/