**Northwind(NW) Database**

**Questions:**

1. **Using Orders table, write the query to count distinct customers who purchase anything from Northwind**

***Expected output: Single number denoting the distinct transacting customers***

**Answer:**

SELECT

COUNT(DISTINCT customer\_id)

FROM

orders

1. **Get the details of the orders made by VINET, TOMSP, HANAR, VICTE, SUPRD, CHOPS from the orders table.**

**Expected columns in the output – Order\_id, order\_date, customer\_id, Ship\_country and Employee\_id**

**Answer:**

SELECT

order\_id, order\_date, customer\_id, ship\_country, employee\_id

FROM

orders

WHERE

customer\_id

IN

('VINET', 'TOMSP', 'HANAR', 'VICTE', 'SUPRD', 'CHOPS')

1. **According to the customers table, list down the customer\_ids which start from "L" and end at "S"**

***Expected columns in the output – Customer\_id***

**Answer:**

SELECT

customer\_id

FROM

customers

WHERE

customer\_id LIKE 'L%'

AND

customer\_id LIKE '%S'

1. **According to the customers table, list down the customer\_ids of france which starts from “L”*E***

**E*xpected columns in the output – Customer\_id***

**Answer:**

SELECT

customer\_id

FROM

customers

WHERE

country = 'France'

AND

customer\_id LIKE 'L%'

1. **The company is planning to give a 10% discount on products above 10 dollars price point(including). Get the list of the product\_id which are going to be listed at discounted price**

***Expected columns in the output – Product\_id***

**Answer:**

SELECT

product\_id

FROM

products

WHERE

unit\_price >= 10

1. **According to the products table, which category\_ids have more than 500 units\_in\_stock?**

***Expected columns in the output – category\_id, total units\_in\_stock***

**Answer:**

SELECT

category\_id,

SUM(units\_in\_stock) AS total\_units\_in\_stock

FROM

products

GROUP BY

category\_id

HAVING

SUM(units\_in\_stock) > 500

1. **According to the products table, list the supplier\_ids responsible for supplying exactly 5 products from the list.**

***Expected columns in the output –*  supplier *id, total products supplied***

**Answer:**

SELECT

supplier\_id,

COUNT(product\_id) AS total\_products\_supplied

FROM

products

GROUP BY

supplier\_id

HAVING

COUNT(product\_id) = 5

1. **Using the orders table, create a table where the count of orders placed would be mentioned against every customer\_id.**

***Expected columns in the output – Customer\_id, count of orders***

**Answer:**

SELECT

customer\_id,

COUNT(order\_id) AS count\_of\_orders

FROM

orders

GROUP BY

customer\_id

1. **Using the orders table, create a table where the count of orders placed would be mentioned against every customer\_id but only for customers having at least 10 orders**

***Expected columns in the output – Customer\_id, count of orders***

**Answer:**

SELECT

customer\_id,

COUNT(order\_id) AS count\_of\_orders

FROM

orders

GROUP BY

customer\_id

HAVING

COUNT(order\_id) >= 10

1. **The Order\_Details table is unique at the order\_id and product\_id levels. It shows the various products ordered for every order\_id. Northwind is using bigger boxes for orders having 6 or more product\_ids. Can you extract the list of order ids along with the count of products ordered?**

**Expected output: Order\_id, count of products**

**Answer:**

SELECT

order\_id,

COUNT(product\_id) AS count\_of\_products

FROM

order\_details

GROUP BY

order\_id

HAVING

COUNT(product\_id) >= 6