Please answer the following questions using Northwind(NW) data base.

How to attempt questions:

- Students need to write queries for the questions mentioned in the using NW database
- Read the questions carefully before writing the query in either pgAdmin or Northwind Playground (in the "Database installation and overview"S chapter of SQL)

How to submit the Assignment:

- Copy the SQL query code and paste it in the answer section in this file
- Once the assignment is done, submit the file over LMS

Invalid Submissions:

- Pasting pictures of the code as answer is NOT acceptable
- Uploading output data (CSVs) of the SQL queries is NOT acceptable

Write your answers(query) in the answer and submit it. To write the answer in the assignment, please follow the below example in yellow

Example

Questions: Extract all the columns of the orders table

Answer: SELECT * FROM ORDERS

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) AS distinct_customers**

             FROM orders

             WHERE customer_id IS NOT NULL;

2. **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

3. 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

4. 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*

5. 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

6. **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

7. **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

8. **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

9. **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)

              FROM orders

              GROUP BY customer_id

              HAVING COUNT(order_id) >= 10

              ORDER BY customer_id

10. **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) Count_of_Products

              FROM order_details

              GROUP BY order_id

              HAVING   COUNT(product_id)   >=   6

              ORDER BY 1