**Assignments:**

1. **Fetch Orders and Customer Information:**
   * Write a query to fetch all orders along with the customer details (first name, last name, city) for each order.
2. **List Products in Each Category:**
   * Retrieve all product names along with their corresponding category names.
3. **Staff Orders Summary:**
   * Create a report showing each staff member's full name and the total number of orders they have processed.
4. **Find Stores with Products in Stock:**
   * List the store names that have products in stock. Include the store name and total quantity of products available in stock.
5. **Customer and Their Total Purchases:**
   * Write a query to calculate the total purchase amount (considering discounts) for each customer. Include their first name, last name, and total amount spent.
6. **List Expensive Products:**
   * Retrieve product names and their prices that have a list\_price greater than the average list\_price of all products.
7. **Order Items with Discount Details:**
   * For each order\_item, display the product name, order ID, list price, discount, and the final price after applying the discount.
8. **Category-wise Product Count:**
   * Count the number of products in each category and list the category name along with the product count.
9. **Staff-Managed Stores and Orders:**
   * Write a query to list the staff members who manage a store and include the number of orders processed by their store.
10. **Find Popular Brands:**
    * Determine the brands that have more than 10 products listed in the database. Display the brand name and the product count.

These assignments will help you practice various types of joins (INNER JOIN, LEFT JOIN, RIGHT JOIN), groupings, aggregate functions, and filtering. Let me know if you'd like the solution or hints for any of these!

W3School Practice Questions:

Here are five SQL practice questions based on the provided table names to help you practice LEFT JOIN, FULL JOIN, and SELF JOIN:

**LEFT JOIN Practice Questions**

1. **Find all products along with their category names.**
   * Display the product name and category name. Include products even if they do not belong to any category.
2. **List all orders and the details of the customers who placed them.**
   * Include orders even if no customer information is available. Display order ID, customer name, and contact details.

**FULL JOIN Practice Questions**

1. **List all categories and the products associated with them.**
   * Include categories that do not have any products and products that do not belong to any category. Display category name and product name.
2. **List all shippers and the orders they are associated with.**
   * Include shippers even if they have not shipped any orders and orders without a shipper. Display shipper name, order ID, and order date.

**SELF JOIN Practice Question**

1. **Find employees who have the same manager.**
   * Use a self-join to display employee names and their manager's name.

Let me know if you'd like me to write out the SQL queries for these questions!