**Case Study 1:** Set Operations and Predicates

Scenario:

You are working for a company that manages a large inventory of products across multiple warehouses. The company wants to analyze the inventory data and generate reports based on various criteria using set operations and predicates.

1. Write a SQL query to retrieve the list of products that are available in Warehouse A but not in Warehouse B.
2. Write a SQL query to find the total quantity of a specific product available in all warehouses combined.
3. Write a SQL query to identify the products that have a quantity greater than 100 in at least one warehouse.
4. Write a SQL query to calculate the average price of all products that have a quantity less than 50 in any warehouse.