Assignment C Part 1

Use the Northwind_Assigment database to complete the following questions in a script file. Make sure your scripts do not generate any errors.

- Name your script file as so, 'MIS-421-CH02-MultipleTableQuery-LASTNAMW-FIRSTNAME.sql'.
- Questions that are not queries should be answered in the same file as your scripts as comments.
  - The length of any line in your file should NOT exceed 90 characters. Break a long line to multiple lines if it has more than 90 characters.

1. Write an SQL statement to display the ProductID, ProductName, WarehouseID, WarehouseCity, and WarehouseState for all items stored in the Westboro or Boston warehouse. Do not use the IN keyword (12 rows).
2. Write an SQL statement to display the ProductID, ProductName, WarehouseID, WarehouseCity, and WarehouseState for all items not stored in the Westboro or Boston warehouse. Use the NOT IN keyword (63 rows).
3. Write an SQL statement to produce a single column called `ProductLocation` that combines the ProductName, the phrase " is in a warehouse in ", and WarehouseCity (75 rows).
4. Write an SQL statement to show the ProductID, ProductName, and WarehouseID for all products stored in a warehouse managed by 'Margaret Peacock'. Use a subquery (11 rows).
5. Write an SQL statement to show the ProductID, ProductName, and WarehouseCity for all products stored in a warehouse managed by 'Anne Dodsworth'. Use a join with the JOIN ON syntax (11 rows).
6. Write an SQL statement to show the ProductID, ProductName, and WarehouseCity for all products stored in a warehouse managed by `'Anne Dodsworth'`. Use an implicit join (no JOIN ON key words) (11 rows).
7. Explain why you cannot use a subquery in your answer to question #5.
8. Write an SQL statement to show the WarehouseID, the sum of UnitsInStock as TotalUnitsInStock, and average `UnitsOnOrder` as Average`UnitsOnOrder` of all products stored in a warehouse managed by 'Robert King'. Use a subquery (TotalUnitsInStock is 510 and Average`UnitsOnOrder` is 7).
9. Write an SQL statement to show the WarehouseID, the sum of UnitsInStock as TotalProductsInStock, and average `UnitsOnOrder` as AverageUnitsOnOrder of all items stored in a warehouse managed by 'Robert King'. Use a join with the JOIN ON syntax (same results as in question #8).
10. Write an SQL statement to display the WarehouseID, WarehouseCity, the sum of UnitsInStock as `TotalProductsInStock`, and the sum of UnitsOnOrder as `TotalProductsOnOrder`, grouped by WarehouseID and WarehouseCity and order by WarehouseID in ascending order.
11. Write an SQL statement to join Warehouse and Products and include all rows of Warehouse in your answer, regardless of whether they have any Products (79 rows).
12. From your result for question 11 how many warehouses do not have any products?
13. Write an SQL statement to get a list of ProductID and ProductName that have not been ordered by any customers. (9, 15, 37, and 48 have not been ordered)

14. Using the tables Orders and `OrderDetails, write an SQL statement to` show the OrderID, OrderDate, the number of different products ordered in the order as NumberOfProdut for all orders that have more than 3 different products, ordered by NumberOfProducts (157 rows).
15. Write an SQL statement to get a list of LastName, FirstName, Address, City, PostalCode, Country, Phone. The list should include records that exist in the IndividualCustomers or the Employees table. Don't show the duplicated records (The result should contain 91 rows).
16. Write an SQL statement to get a list of LastName, FirstName, Address, City, PostalCode, Country, Phone. The list should only include records that appears in both the IndividualCustomers and Employee tables, meaning they have exact same LastName, FirstName, Address, City, PostalCode, Country, Phone in both tables. (The result should contain 9 rows).
17. Write an SQL statement to get a list of LastName, FirstName, Address, City, PostalCode, Country, Phone. The list should only include records that exist in the IndividualCustomers table, but not exist in the Employee table, meaning they don't have exact same LastName, FirstName, Address, City, PostalCode, Country, Phone in both tables. (The result should contain 82 rows).

- Submit to Canvas your 'MIS-421-CH02-MultipleTableQuery-LASTNAMW-FIRSTNAME.sql'