**SQL Skills Test  
Adventure Works: Advanced**

***Instructions:*** *Please answer the following questions by writing SQL queries based on the AdventureWorks database.   
  
You can download the version of the AventureWorks database for the version of SQL that you are using on the below link. Please note you should only use/download the OLTP version of the database:*[*https://learn.microsoft.com/en-us/sql/samples/adventureworks-install-configure?view=sql-server-ver16&tabs=ssms*](https://learn.microsoft.com/en-us/sql/samples/adventureworks-install-configure?view=sql-server-ver16&tabs=ssms)

*You may assume the existence of appropriate tables with the given names and columns in the database.   
Write the query/queries to retrieve the requested information.*

1. Write a SQL query to retrieve the top 10 customers with the highest total sales amount. The result should include the customer name and the total sales amount, sorted in descending order.

2. Write a SQL query to retrieve the names of employees who have made sales to customers from more than one country. The result should include the employee name.

3. Write a SQL query to retrieve the top 5 products with the highest average rating. The result should include the product name and the average rating, sorted in descending order.

4. Write a SQL query to retrieve the names of customers who have made purchases in all years from the available data. The result should include the customer name.

5. Write a SQL query to calculate the total sales amount for each product category. The result should include the category name and the total sales amount, sorted in descending order.

6. Write a SQL query to retrieve the names of employees who have made sales to customers in all states of the United States. The result should include the employee name.

7. Write a SQL query to retrieve the top 5 customers who have made the most repeat purchases. The result should include the customer name and the count of their repeat purchases, sorted in descending order.

8. Write a SQL query to retrieve the names of products that have experienced a decrease in sales quantity compared to the previous year. The result should include the product name.

9. Write a SQL query to calculate the average sales amount per month for each year. The result should include the year, month, and average sales amount.

10. Write a SQL query to retrieve the names of customers who have made purchases for all product categories. The result should include the customer name.

Please provide your SQL queries as the answers to the above questions.