.NET Week 4 Coding Challenge - Programming Assessment.

Date: 03-10-2023 Duration: 4 Hours.

Write appropriate queries for the following problem statements based on the AdventureWorks database.

Problem 1: List Product Names and Prices

Write a query to retrieve the names and list prices of all products in the "Production.Product" table.

Problem 2: Find Customers from a Specific City

Retrieve the names and email addresses of customers who live in the city of "Seattle" from the "Sales.Customer" table.

Problem 3: Calculate Total Sales for a Product

Calculate the total sales amount for the product with the ProductID of 793 from the "Sales.SalesOrderDetail" and "Production.Product" tables. Display the product name and total sales amount.

Problem 4: List Employees by Job Title

List the names and job titles of employees from the "HumanResources.Employee" table, ordered by job title in ascending order.

Problem 5: Find Order Details for a Customer

Retrieve all the order details (product names and quantities) for a specific customer with a CustomerID of 29485 from the "Sales.SalesOrderHeader," "Sales.SalesOrderDetail," and "Production.Product" tables.

Problem 6: Find Orders Placed by a Salesperson

Find all the orders placed by a salesperson with an EmployeeID of 276 from the "Sales.SalesOrderHeader" and "HumanResources.Employee" tables. Display the order number, order date, and customer name.

Problem 7: Identify Inactive Customers

List the names and email addresses of customers who have not placed any orders in the "Sales.SalesOrderHeader" table.

Problem 8: Calculate Average Sales per Category

Calculate the average sales amount for each product category from the "Production.ProductCategory" and "Sales.SalesOrderDetail" tables. Display the category name and average sales amount.

Problem 9: Find Top-Selling Products

List the top 10 best-selling products (by quantity sold) from the "Production.Product" and "Sales.SalesOrderDetail" tables. Display the product name and total quantity sold.

Problem 10: Identify Late Shipments

Retrieve the order numbers and ship dates of orders that were shipped after their requested ship dates from the "Sales.SalesOrderHeader" table.