Chapter 4

Exercises

1. Our company needs a listing of each product we sell. Create a query that shows the Category Name, Product Name, Description, and Price for each Product. Sort the result set by the Category Name and then by the Product Name, in ascending order.

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| USE wg0742700;  GO  SELECT CategoryName, ProductName, Description, ListPrice  FROM Products  JOIN Categories  ON Products.CategoryID = Categories.CategoryID  ORDER BY CategoryName, ProductName ASC; |
|  |
| 10 Rows returned |
| We need info from the Products table and the Categories table for the category names. |
| Remember what we did in class. |

1. We need to mail an invoice to each one of our customers. Create a query that contains the First Name, Last Name, and full mailing address information (Street, City, State, Zip Code). Make sure to use billing addresses and not shipping addresses.

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| USE wg0742700;  GO  SELECT FirstName, LastName, Line1, Line2, City, State, ZipCode  FROM Customers  JOIN Addresses  ON Customers.BillingAddressID = Addresses.AddressID; |
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| 485rows returned |
| We needed to join the customers to the addresses table to get their billing address. |
| Remembered what we did in class. |

1. Our company needs to generate a list of customer sales. Create a query for the report that shows the first and last name of the customer, the date of the order, the name of the product they ordered, the price of the item, and the quantity. Sort the result set by the customer’s last name. Demonstrate the use of aliases for the tables.

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| SELECT FirstName, LastName, OrderDate, ProductName AS Product, ItemPrice AS Price, Quantity  FROM Customers  JOIN Orders  ON Customers.CustomerID = Orders.CustomerID  JOIN OrderItems  ON Orders.OrderID = OrderItems.OrderID  JOIN Products  ON OrderItems.ProductID = Products.ProductID  ORDER BY LastName; |
|  |
| 47 rows returned |
| We had to join customers, orders, orderitems, and products tables to get all the required info. |
| The Guitar shop database diagram and remembered what we did in class. |